

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSP SUB. REPORT/abd.

910511 Commenced Inspection EA. 2-26-96  
910913 CONFIDENTIAL STATUS EXPIRED EA. 9-10-96

DATE FILED DECEMBER 20, 1994

LAND: FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-44426

INDIAN

DRILLING APPROVED: MARCH 7, 1995

SPUDDED IN: 5-24-95

COMPLETED: 8-10-95 (SOW) PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES: 4784-5114' (GRV)

TOTAL DEPTH: 5100'

WELL ELEVATION: 5343' GR

DATE ABANDONED:

FIELD: MONUMENT BUTTE FIELD

UNIT: JONAH UNIT

COUNTY: DUCHESNE

WELL NO. MONUMENT BUTTE FEDERAL #11-7J API NO. 43-013-31492

LOCATION 681' FNL FT. FROM (N) (S) LINE. 447' FWL FT. FROM (E) (W) LINE. NW NW 1/4 - 1/4 SEC. 7

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

9S

17E

7

EQUIT RES ENERGY CO

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

NW NW Section 7, T9S, R17E 681' FNL, 447' FWL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 13 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5,700'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5343.2'

22. APPROX. DATE WORK WILL START\*

3/1/95

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling	Program/Casing	Design		

Operator intends to drill this well in accordance with the attached permit. A listing of EXHIBITS is also attached.

**SELF CERTIFICATION:** I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Robbie Schuman TITLE Regulatory and Environmental Specialist DATE 12-19-94  
(This space for Federal or State office use)

PERMIT NO. 43-013-31492 APPROVAL DATE 3/1/95  
APPROVED BY [Signature] TITLE Petroleum Engineer DATE 3/1/95  
CONDITIONS OF APPROVAL, IF ANY:

BY: \_\_\_\_\_  
WELL SPACING: \_\_\_\_\_

\*See Instructions On Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. Lease Designation and Serial Number: Federal #U-44426	
B. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name: n/a	
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division		7. Unit Agreement Name: Jonah Unit	
3. Address and Telephone Number: P.O. Box 21017; Billings, MT 59104 (406) 259-7860		8. Farm or Lease Name: Balcron Monument Federal	
4. Location of Well (Footages) At Surface: NW NW Section 7, T9S, R17E 681' FNL, 447' FWL At Proposed Producing Zone:		9. Well Number: #11-7J	
14. Distance in miles and direction from nearest town or post office: Approximately 13 miles southwest of Myton, Utah		10. Field and Pool, or Wildcat: Monument Butte/Green River	
15. Distance to nearest property or lease line (feet):		11. Ctr/Ctr, Section, Township, Range, Meridian: NW NW 7, T9S, R17E	
16. Number of acres in lease:		12. County: Duchesne	
17. Number of acres assigned to this well:		13. State: UTAH	
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):		19. Proposed Depth: 5,700'	
20. Rotary or cable tools: Rotary		21. Elevations (show whether DF, RT, GR, etc.): GL 5343.2'	
22. Approximate date work will start: 3/1/95			

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling Program/Casing Design				

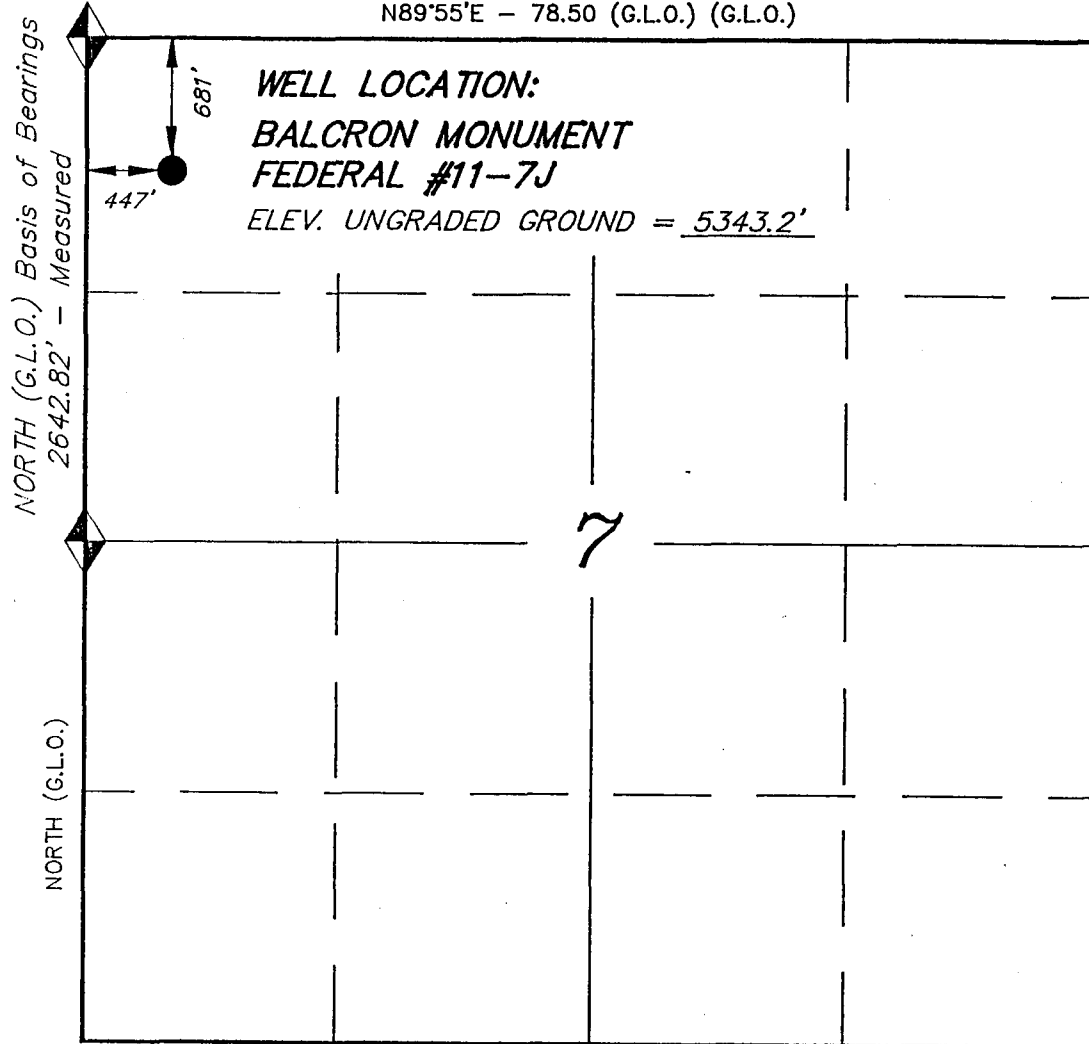
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Operator intends to drill this well in accordance with the attached Federal Application for Permit to Drill.

24.	Regulatory and
Name & Signature: <u>Bobbie Schuman</u>	Title: <u>Environmental Specialist</u> Date: <u>12-19-94</u>
APPROVED BY THE STATE	
OF UTAH DIVISION OF	
OIL, GAS, AND MINING	
API Number Assigned: <u>43-013-31492</u>	Approval: <u>[Signature]</u> DATE: <u>3/7/95</u>
	BY: <u>[Signature]</u>
	WELL SPACING: <u>[Signature]</u>

**T9S, R17E, S.L.B.&M.**

N89°55'E - 78.50 (G.L.O.) (G.L.O.)



**WELL LOCATION:**

**BALCRON MONUMENT  
FEDERAL #11-7J**

ELEV. UNGRADED GROUND = 5343.2'

**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, BALCRON MONUMENT FEDERAL #11-7, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 7, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

GENE STEWART

*Gene Stewart*  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 144102  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
38 EAST 100 NORTH, VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: S.S. J.S.
DATE: 11-8-94	WEATHER: COLD
NOTES:	FILE #11-7J



= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1909

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

EXHIBIT "K"





**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

December 19, 1994

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

Enclosed are Applications for Permit to Drill the wells on the enclosed list.

As operator, we hereby request that the status of this well be held tight for the maximum period allowed by Federal and State regulations.

Archeology and palentology surveys have been ordered and reports will be sent to you as soon as they are complete.

Sincerely,

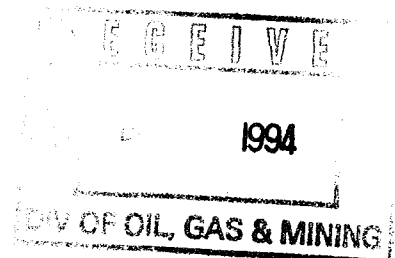
*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL****APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

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B. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name: n/a	
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19. Proposed Depth: 5,700'		20. Rotary or cable tools: Rotary	
21. Elevations (show whether DF, RT, GR, etc.): GL 5343.2'		22. Approximate date work will start: 3/1/95	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D"	Drilling Program/Casing Design			

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Operator intends to drill this well in accordance with the attached Federal Application for Permit to Drill.

**RECEIVED**

DEC 20 1994

DIVISION OF  
OIL, GAS & MINING

24. Name & Signature: Bobbie Schuman Title: Regulatory and Environmental Specialist Date: 12-19-94  
Bobbie Schuman

(space for State use only)

API Number Assigned: \_\_\_\_\_

Approval: \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NW NW Section 7, T9S, R17E

681' FNL, 447' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 13 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
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5,700'

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21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5343.2'

22. APPROX. DATE WORK WILL START\*

3/1/95

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24.

SIGNED

*Bobbie Schuman*  
Bobbie Schuman

TITLE

Regulatory and  
Environmental Specialist

DATE

12-19-94

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

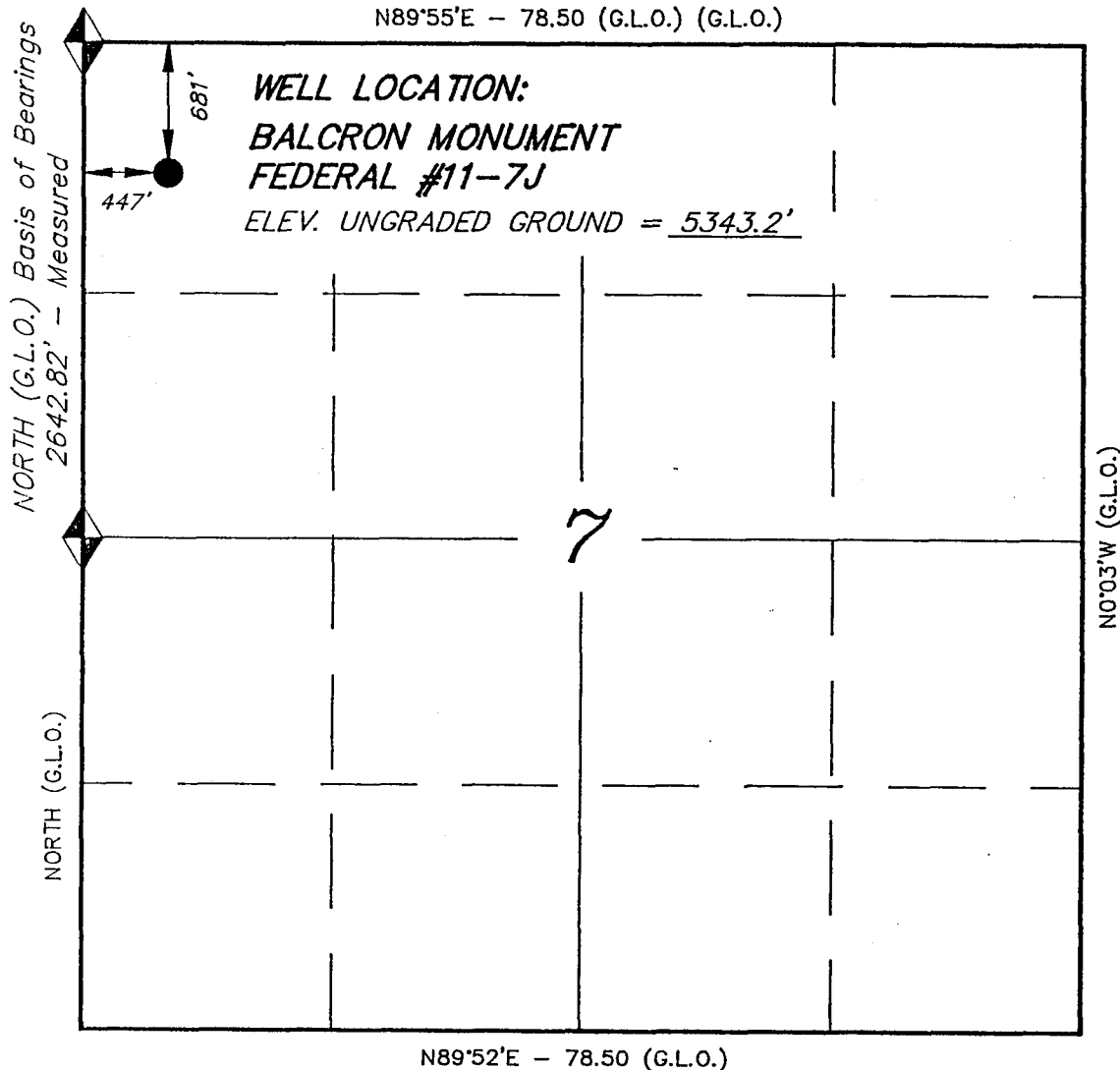
DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

**T9S, R17E, S.L.B.&M.**

N89°55'E - 78.50 (G.L.O.) (G.L.O.)



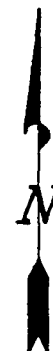
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BASIS OF BEARINGS; G.L.O. DATED 1909

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, BALCRON MONUMENT FEDERAL #11-7, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 7, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Gene Stewart*  
 144102  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 144102  
 STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

38 EAST 100 NORTH, VERNAL, UTAH 84078  
 (801) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: S.S. J.S.

DATE: 11-8-94

WEATHER: COLD

NOTES:

FILE #11-7J

EXHIBIT "K"

Balcron Monument Federal #41-12J  
NE NE Section 12, T9S, R16E  
Duchesne County, Utah  
395' FNL, 476' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-44426  
PTD: 5,750' (Green River formation)  
GL: 5457.6'

Balcron Monument Federal #42-12J  
SE NE Section 12, T9S, R16E  
Duchesne County, Utah  
2550' FNL, 391' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-035521  
PTD: 5,700' (Green River formation)  
GL: 5474.4'

Balcron Monument Federal #12-14J  
SW NW Section 14, T9S, R16E  
Duchesne County, Utah  
2004' FNL, 658' FWL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096547  
PTD: 5,600' (Green River formation)  
GL: 5605.2'

Balcron Monument Federal #22-14J  
SE NW Section 14, T9S, R16E  
Duchesne County, Utah  
2134' FNL, 2198' FWL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096547  
PTD: 5,600' (Green River formation)  
GL: 5594.3'

Balcron Monument Federal #32-14J  
SW NE Section 14, T9S, R16E  
Duchesne County, Utah  
1980' FNL, 1980' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096547  
PTD: 5,600' (Green River formation)  
GL: 5572'

Balcron Monument Federal #42-14J  
SE NE Section 14, T9S, R16E  
Duchesne County, Utah  
1882' FNL, 773' FEL  
Field: Monument Butte (Jonah Unit)  
FLS #U-096550  
PTD: 5,650' (Green River formation)  
GL: 5604.9'

Balcron Monument Federal #11-7J

NW NW Section 7, T9S, R17E

Duchesne County, Utah

681' FNL, 447' FWL

Field: Monument Butte (Jonah Unit)

FLS #U-44426

PTD: 5,700' (Green River formation)

GL: 5343.2'

Balcron Monument Federal #12-7J

SW NW Section 7, T9S, R17E

Duchesne County, Utah

1965' FNL, 620' FWL

Field: Monument Butte (Jonah Unit)

FLS #U-44426

PTD: 5,600' (Green River formation)

GL: 5338.2'

**NOTE: This location has already been built. It was formerly the Alta #7E location, built but not drilled.**

## **EXHIBITS**

- A     PROPOSED DRILLING PROGRAM**
- B     PROPOSED SURFACE USE PROGRAM**
- C     GEOLOGIC PROGNOSIS**
- D     DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM**
- E     HAZMAT DECLARATION**
- F     EXISTING & PLANNED ACCESS ROADS (MAPS A & B)**
- G     WELLSITE LAYOUT**
- H     BOPE SCHEMATIC**
- I     EXISTING ROADS (MAP C)**
- J     PROPOSED PRODUCTION FACILITY DIAGRAM**
- K     SURVEY PLAT**
- L     LAYOUT/CUT & FILL DIAGRAM**

11/2/94

# **CONFIDENTIAL**

**AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.**

Equitable Resources Energy Company  
Balcron Oil Division  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860



EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Jonah Unit  
Balcron Monument Federal #11-7J  
NW NW Section 7, T9S, R17E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.

- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Jonah Unit  
Balcron Monument Federal #11-7J  
NW NW Section 7, T9S, R17E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. EXISTING ROADS:

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for approximately 9.8 miles to an intersection with the Monument Butte Gas Plant/Jonah Unit road. Turn right and continue 1.7 miles to road intersection. Turn left and proceed 0.5 miles to a dry hole marker. Follow flags 0.3 mile to location..
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "F" Maps A and B for access route.

2. PLANNED ACCESS ROADS: See EXHIBIT "F" Maps A & B

- a. Length: Approximately 0.3 miles of new access road will be required.
- b. Width: Maximum 30' overall right-of-way with an 18' running surface.
- c. Maximum grade: < 8%
- d. Turnouts: None
- e. Drainage design: Low water crossing if necessary.
- f. No culverts or bridges are necessary.
- g. Surface materials: Any surface materials which are required will be native materials from the location and/or access site.
- h. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.

- i. All travel will be confined to location and access routes.
- j. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. This shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. If necessary prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Road drainage crossings will be of the typical dry creek draining crossing type. Crossings, if necessary, will be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading will not be done during muddy conditions. Should mud holes develop, they will be filled in and detours around them will be avoided.

- k. If a right-of-way is needed for access, please consider this Application for Permit to Drill as the application for right-of-way.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "I" Map C.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

- a. Upon completion, a sundry notice and plat showing exact production facilities will be submitted.
- b. All above-ground facilities will be painted earthtone color Desert Brown #10Y/R in accordance with the Munsell Soil Color chart within six months of the well completion unless prior written approval to proceed with another alternative has been granted via Sundry Notice.
- c. See EXHIBIT "J" for the Proposed Production Facility Diagram.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private source owned by Joe Shields.
- b. The drilling water will be hauled by truck to the location site.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction material from other sources is anticipated at this time. If additional construction material is needed, it will be from an approved source.
- c. Reasonable precautions will be taken to protect all lands.

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

- a. Garbage will be stored in a dumpster and disposed of according to local and state regulations, at an approved facility. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
- b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.
- c. The reserve pit will be lined. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Any produced water will be contained on site for a period not to exceed 90 days.
- f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "K".

- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G". No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- d. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls of fluid. The size of the pit will be approximately equivalent to four times the TD hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the location.
- e. The reserve pit will be located on the West side of the location.
- f. If needed, flare pit will be located downwind of the prevailing wind directions a minimum of 100' from the wellhead and 30' from the reserve pit fence.
- g. Stockpiled topsoil (first 6 inches) will be stored on the North side between corners 7 and 8.
- h. Access to the wellpad will be from the North near corner 6.
- i. The east corner (#2) of the pad will be rounded off to avoid the drainage.
- j. The reserve pit will be constructed long and narrow for topographic reasons.
- k. All pits will be fenced according to the following minimum standards:
  - a. 39-inch net wire will be used with at least one strand of barbed wire on top of the net wire unless pipe or some type of reinforcement rod is attached to the top of the entire fence.
  - b. The net wire shall be no more than 2 inches above the ground. If barbed wire it shall be 3 inches above the net wire. Total height of fence will be at least 42 inches.
  - c. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard steel, wood, or pipe posts will be used between the cornerbraces. Maximum distance between any two posts will be no greater than 16'.
  - d. All wire will be stretched before it is attached to the corner posts.

The reserve pit will be fenced on three sides during drilling operations and on the fourth side when the rig moves off locations. Pits will be fenced and maintained until clean-up.

1. The east side of the location will be pulled in as much as possible when constructing the location to avoid a drainage.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

The BLM will be contacted prior to commencement of any reclamation operations.

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed and all trash will be removed.

Dry hole/abandoned location:

At such time as the well is plugged and abandoned, operator will submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

12. OTHER INFORMATION:

- a. An Archeology Survey will be provided as soon as it is completed.
- b. If unexpected cultural resources are observed during construction or reclamation operations, Equitable Resources Energy Company's Balcron Oil division will suspend operations in the vicinity of the discovery and immediately report the finding to the BLM District Office.

- c. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.
- d. Drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received.
- e. If needed, instructions regarding a silt catchment dam being constructed will be provided for in the Conditions of Approval.

13. OPERATOR'S REPRESENTATIVES:

Equitable Resources Energy Company, Balcron Oil Division  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406) 259-7860  
FAX: (406) 245-1361

Dave McCoskery, Operations Manager      Home: (406) 248-3864  
Mobile: (406) 698-3732

Dale Griffin, Operations Supervisor      Mobile: (801) 828-7291  
Home: (801) 781-1018

14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Equitable Resources Energy Company's Balcron Oil Division and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

December 19, 1994  
Date

Bobbie Schuman  
Bobbie Schuman  
Regulatory and Environmental  
Specialist  
Equitable Resources Energy  
Company, Balcron Oil Division





Equitable Resources Energy Company  
Balcron Oil Division

EXHIBIT "D"  
Page 1 of 2

DRILLING PROGRAM

WELL NAME: Balcron Monument Fed. 11-7J PROSPECT/FIELD: Jonah Unit  
LOCATION: NW NW Sec.7 Twn.9S Rge.17E  
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 5700

HOLE SIZE INTERVAL

12 1/4" 0 to 260'  
7 7/8" 260 to T.D.

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	K-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.  
(Cement will be circulated to surface.)

Production 180 sacks Western Super G consisting of 47 #/sk G, 20 #/sk Poz A, 17 #/sk CSE, 3% salt, 2% gel, and 2 #/sk Hi-Seal. (Yield=2.76 Cu.Ft./Sk Weight=11.08 PPG) Tailed with 300 sacks 50-50 Poz with 2% gel, 1/4 #/sk Cello-seal and 2 #/sk Hi-seal. Yield=1.24 Cu.Ft./Sk Weight=14.30 PPG)  
a.) Actual cement volume will be determined from caliper log.  
b.) Actual cement top will be specified in conditions of approval.

PRELIMINARY  
DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

Depending on the drilling contractor either:

- Drilling will be with air and air mist from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
- Drilling will be done using 2% KCl water and gel.

COMMENTS

- No cores or DST's are planned.

DMM/12/16/94

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Monument Fed.11-7J
Project ID:	Location: Duchesne/Utah

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2036 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	5,700	5-1/2"	15.50	K-55	ST&C	5,700	4.825	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	2606	4040	1.550	2606	4810	1.85	88.35	222 2.51 J

Prepared by : McCoskery, Billings, MT

Date : 12-16-1994

Remarks :

Minimum segment length for the 5,700 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,606 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)

EXHIBIT E

- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

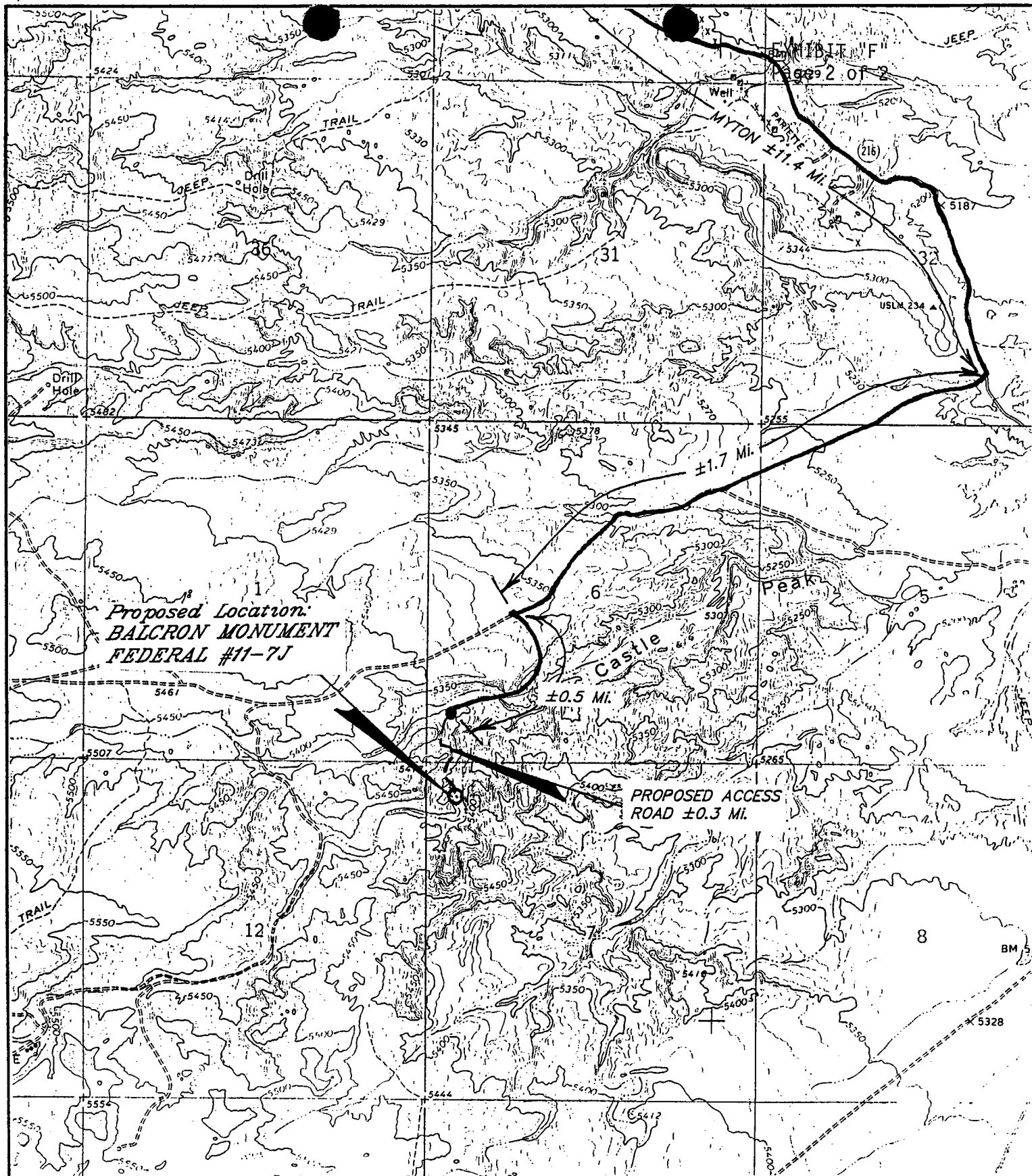
We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

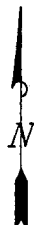
12/1/93  
Revised 12/7/93  
/rs





**EQUITABLE RESOURCES CO.**

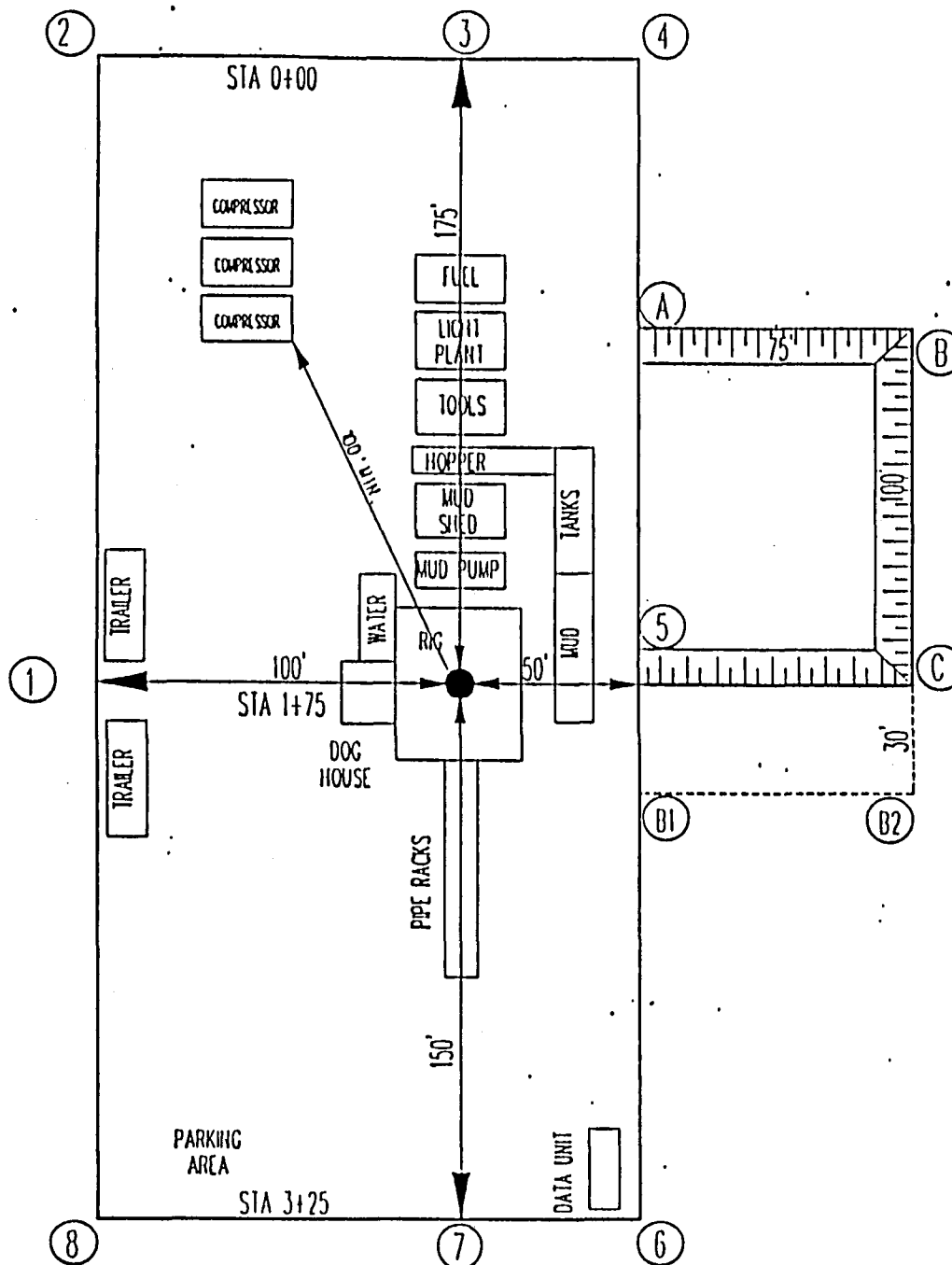
BALCRON MONUMENT FEDERAL #11-7J  
SECTION 7, T9S, R17E, S.L.B.&M.  
TOPO "B"



SCALE: 1" = 2000'

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

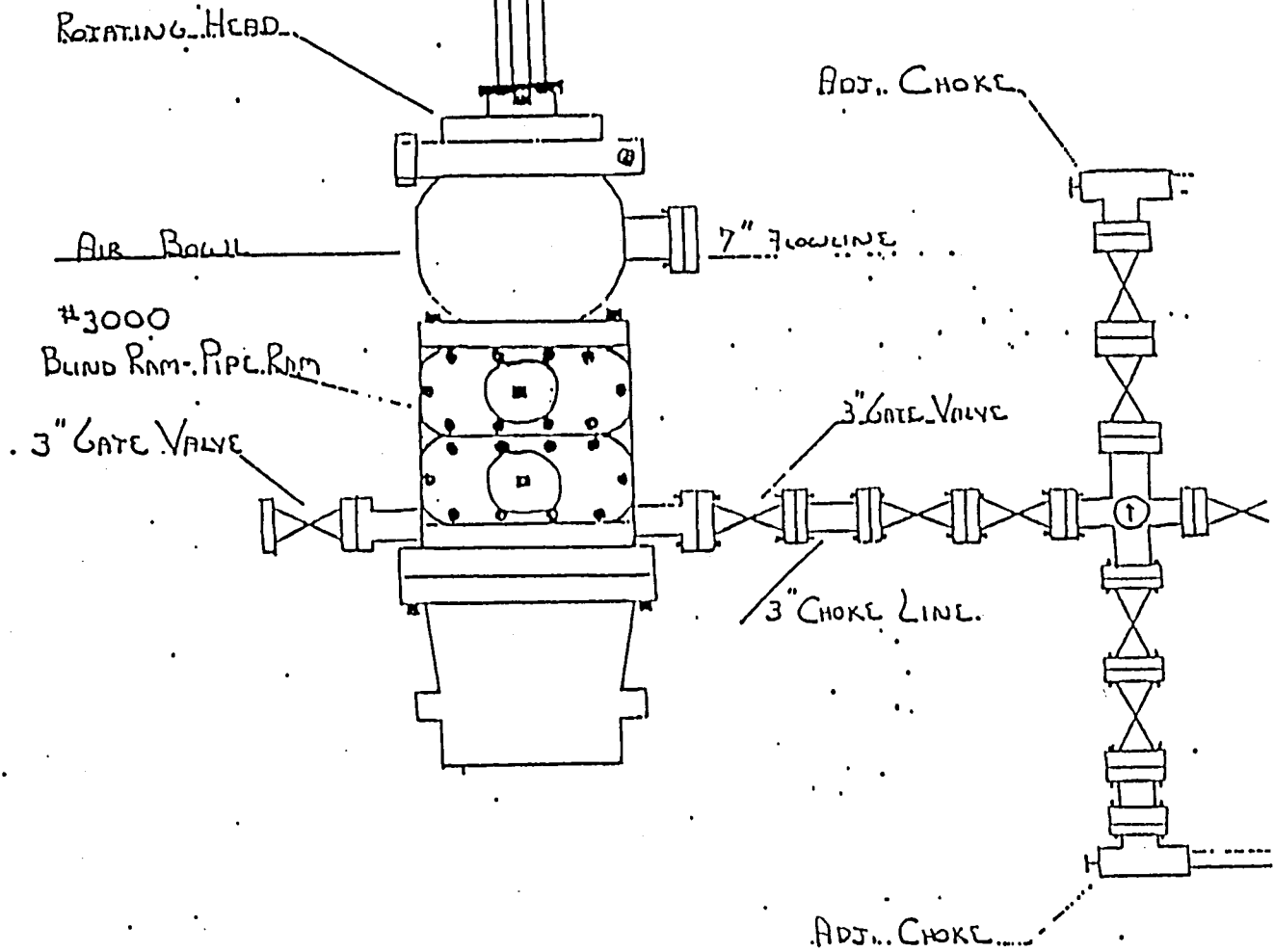
# EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, VERMILION, UTAH 84078  
801-781-2501

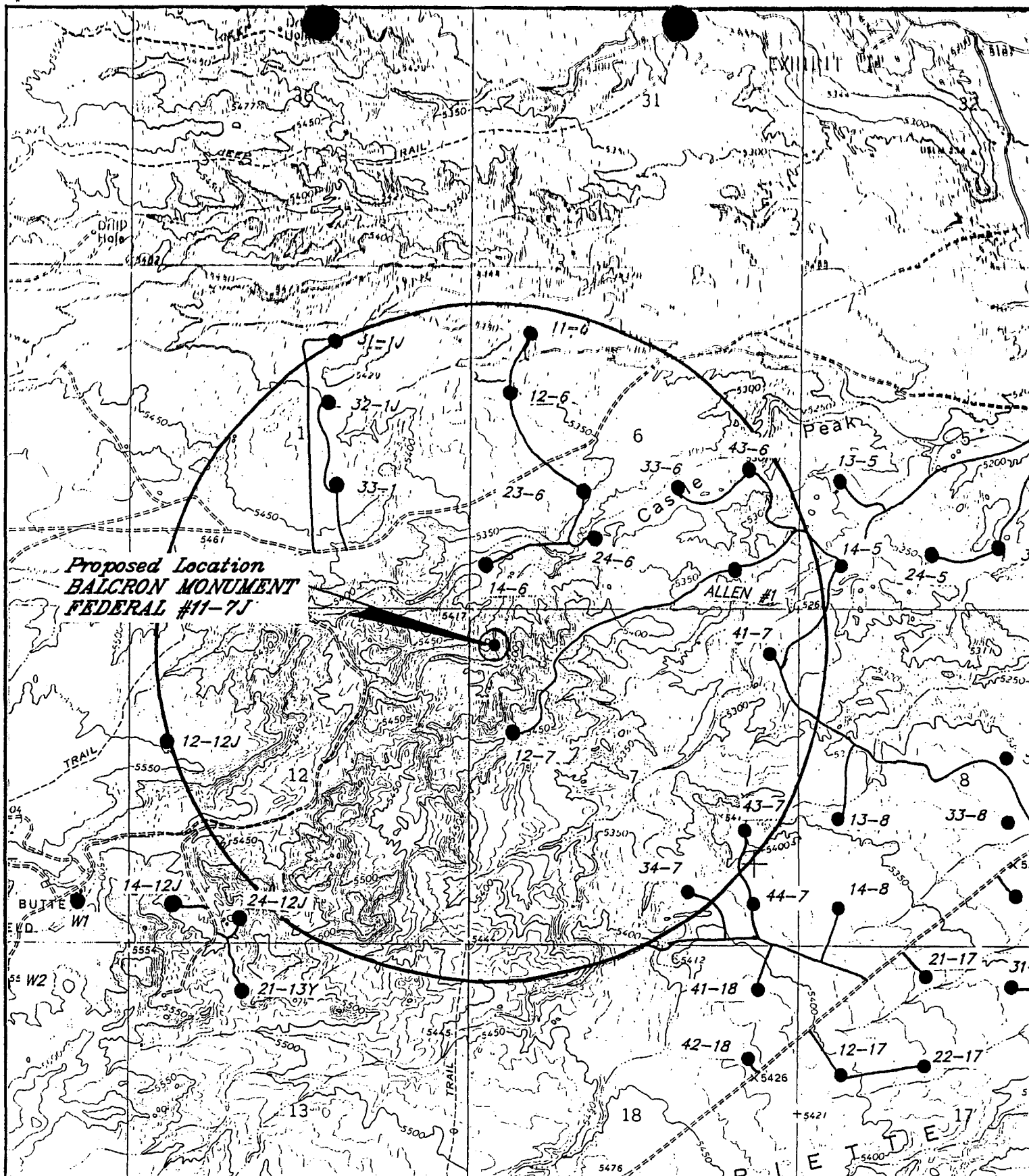
UNION DRILLING RIG #17

Hex Kelly



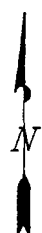
#3000 Stack





**EQUITABLE RESOURCES ENERGY CO.**

BALCRON MONUMENT FEDERAL #11-7J  
SECTION 7, T9S, R17E, S.L.B.&M.  
TOPO "C"



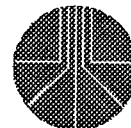
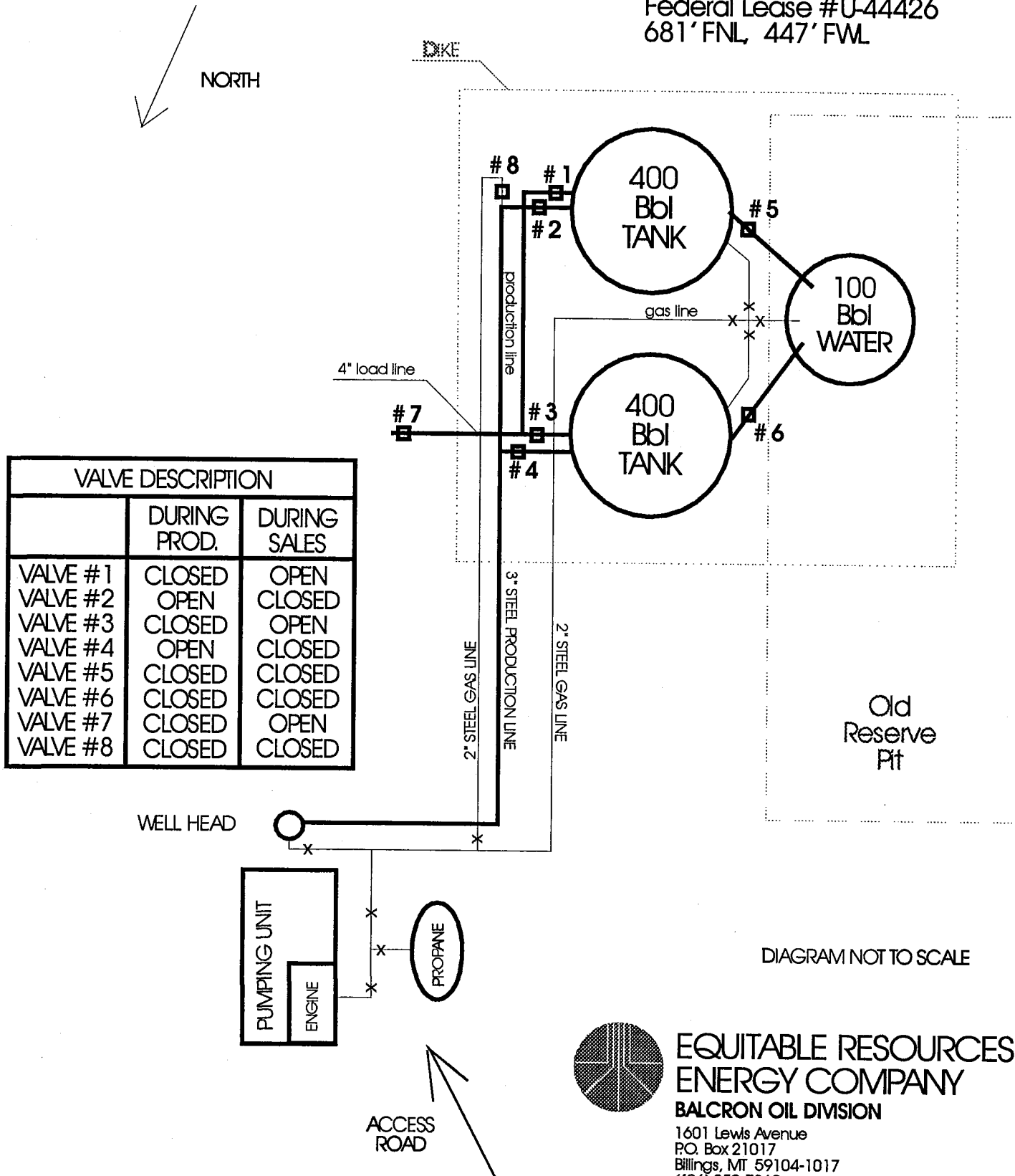
SCALE: 1" = 2000'

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

Equitable Resources Energy Company  
 Balcron Monument Federal 11-7J  
 Proposed Production Facility Diagram

EXHIBIT "J"

Balcron Monument Federal 11-7J  
 NWNW Sec. 7, T9S, R17E  
 Duchesne County, Utah  
 Federal Lease #U-44426  
 681' FNL, 447' FWL



**EQUITABLE RESOURCES  
 ENERGY COMPANY**  
 BALCRON OIL DIVISION  
 1601 Lewis Avenue  
 P.O. Box 21017  
 Billings, MT 59104-1017  
 (406) 259-7860



CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 9-10-96

# STATE OF UTAH

Operator: <b>EQUITABLE RESOURCES</b>	Well Name: <b>MONUMENT BUTTE FED.</b>
Project ID: <b>43-013-31492</b>	Location: <b>SEC. 7 - T09S - R17E</b>

## Design Parameters:

Mud weight ( 8.90 ppg) : 0.462 psi/ft  
 Shut in surface pressure : 2317 psi  
 Internal gradient (burst) : 0.056 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using buoyed weight  
 Service rating is "Sweet"

## Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	5,700	5.500	15.50	K-55	ST&C	5,700	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2635	4040	1.533	2635	4810	1.83	76.33	222	2.91 J

Prepared by : KMH, Salt Lake City, UT  
 Date : 03-07-1995  
 Remarks :

Minimum segment length for the 5,700 foot well is 1,000 feet.  
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas  
 temperature of 102°F (Surface 74°F , BHT 131°F & temp. gradient 1.000°/100 ft.)  
 The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and  
 2,635 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guide-  
 line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with  
 evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body  
 Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and  
 Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.06)

ABLE RESOURCES ENERGY  
ON MONUMENT BUTTE  
H UNIT WATERFLOOD  
ESNE COUNTY T9S, R 16 & 17 E

T 8 S

T 9 S

41-12J

11-7J

42-12J

12-7J

12-14J

22-14J

32-14J

42-14J

R16 E

R17 E



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

March 7, 1995

Equitable Resources Energy Company  
P.O. Box 21017  
Billings, Montana 59104

Re: Balcron Monument Federal #11-7J Well, 681' FNL, 447' FWL, NW NW, Sec. 7,  
T. 9 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Admin. R. 649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31492.

Sincerely,

R. J. Firth  
Associate Director

ldc

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office  
WAPD

Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal #11-7J

API Number: 43-013-31492

Lease: Federal #U-44426

Location: NW NW Sec. 7 T. 9 S. R. 17 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NW NW Section 7, T9S, R17E

681' FNL, 447' FWL

At proposed prod. zone

43-013-31492

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 13 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5,700'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5343.2'

22. APPROX. DATE WORK WILL START\*

3/1/95

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See EXHIBIT "D" Drilling Program/Casing Design				

Operator intends to drill this well in accordance with the attached permit. A listing of EXHIBITS is also attached.

**SELF CERTIFICATION:** I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Robbie Schuman*  
Robbie Schuman

TITLE

Regulatory and  
Environmental Specialist

DATE

12-19-94

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

*[Signature]*

TITLE

ASSISTANT DISTRICT  
MANAGER

DATE

MAR 6 1995

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL  
TO OPERATIONS COPY

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Federal 11-7J

API Number: 43-013-31492

Lease Number: U-44426

Location: NWNW Sec. 7 T. 9S R. 17E

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.   |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

The surface casing will need to be cemented with **neat** cement.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water zone identified at  $\pm 408$  ft. or by extending the surface casing to  $\pm 458$  ft. and having a cement top for the production casing at least 200 ft. above the top of The Mahogany Oil Shale Zone identified at  $\pm 2730$  ft.. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 2530$  ft. if the surface casing is set at  $\pm 458$  ft. or to the surface if the surface casing is set at  $\pm 260$  ft.. The CBL shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Wayne P. Bankert      (801) 789-4170  
Petroleum Engineer

Ed Forsman              (801) 789-7077  
Petroleum Engineer

BLM FAX Machine      (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.



**SURFACE USE PLAN OF OPERATION**  
Conditions of Approval (COAs)

Methods for Handling Waste Disposal

The reserve pit will be lined with a plastic liner 12 mil in thickness or greater. The reserve pit will have sufficient bedding of straw or dirt to prevent the liner from being punctured. No trash or loose equipment shall enter the reserve pit.

Plans for Reclamation of Location

The reserve pit and that portion of the location not needed for production facilities or operations in addition to being recontoured to approximate natural contours will also be reseeded to the specifications of the Authorized Officer of the BLM.

At time of abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. Recontour the surface of the disturbed area to blend all cuts, fills, road berms, and borrow ditches to be natural in appearance with the surrounding terrain. Stockpiled topsoil will be spread over the surface, and the area revegetated to the satisfaction of the Authorized Officer of the BLM.

Additional Surface Conditions of Approval

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362, forty-eight (48) hours prior to construction activities, including installation of the pit liner.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

A silt catchment basin shall be constructed due north of the northwest section corner to section 7 to mitigate soil erosion caused by the surface disturbance to develop this location.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES ENERGY

Well Name: BALCRON MONUMENT FEDERAL 11-7J

Api No. 43-013-31492

Section 7 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 5/24/95

Time 7:00 PM

How ROTARY

Drilling will commence

Reported by AL PLUNKETT

Telephone #

Date: 5/24/95 Signed: JLT

5-30-95



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒



May 24, 1995

**Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078-2799**

**CONFIDENTIAL**

Gentlemen:

**RE: Balcron Monument Federal #11-7J  
NW NW Section 7, T9S, R17E  
Duchesne County, Utah**

43-013-31492

**This letter is notice that the subject well was spud on 5-23-95 at  
7:00 p.m.**

**Please feel free to contact me if you have any questions.**

Sincerely,

**Molly Conrad  
Operations Secretary**

/mc

**cc: State of Utah, Division of Oil, Gas & Mining - also enclosed is ✓  
our Entity Action Form 6  
Bobbie Schuman  
Dawn Schindler  
Lou Ann Carlson**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Company  
Balcron Oil Division  
ADDRESS 1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860

OPERATOR ACCT. NO. 11 9890

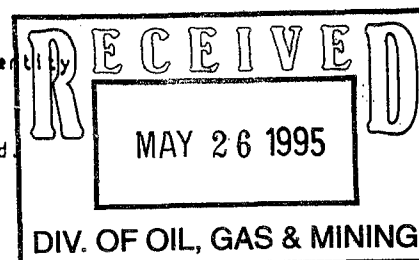
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11492	→	43-013-31492	Balcron Monument Federal #11-7J	NW NW	7	9S	17E	Duchesne	5-23-95	5-23-95
WELL 1 COMMENTS: Spud of a new well, please add to current Jonah Entity. <i>Entity added 5-26-95. Lec</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See Instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



Molly Conrad  
Signature  
Operations Secretary  
Title  
5-24-95  
Date  
Phone No. (406) 259-7860

GEOLOGICAL WEBSITE REPORT

Balcron Oil Company

Monument Federal No. 11-7J  
NWNW Sec. 7-T9S-R17E  
Duchesne County, Utah

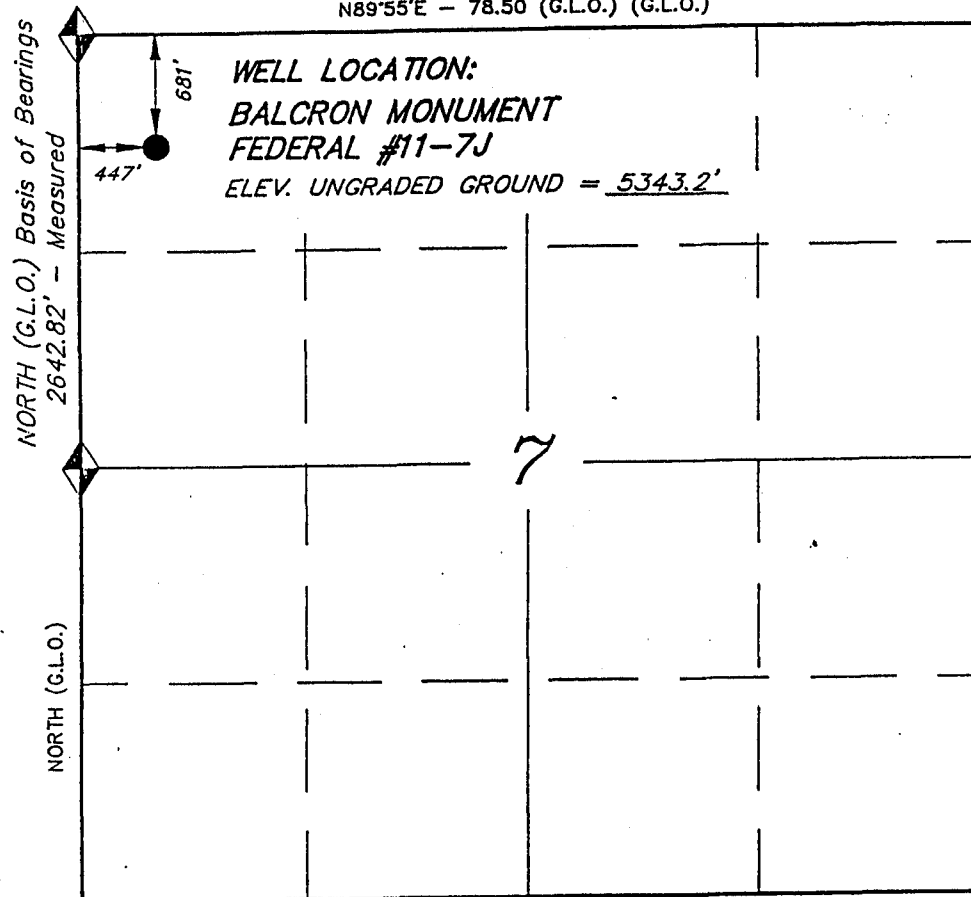
Durwood Johnson  
Petroleum Geologist  
3118 Avenue F  
Billings, MT 59102  
(406) 656-4872

## TABLE OF CONTENTS

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Penetration Log	In Pocket

T9S, R17E, S.L.B.&M.

N89°55'E - 78.50 (G.L.O.) (G.L.O.)



= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1909

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, BALCRON MONUMENT FEDERAL #11-7, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 7, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

GENE STEWART

REGISTERED LAND SURVEYOR  
REGISTRATION No. 44102  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
38 EAST 100 NORTH, VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: S.S. J.S.
DATE: 11-8-94	WEATHER: COLD
NOTES:	FILE #11-7J

EXHIBIT "K"

# DATA SHEET

OPERATOR: Balcron Oil Company  
 WELL NAME: Monument Federal No. 11-7J  
 LOCATION: NWNW (681'fml-447' fwl) Section 7, Township 9 South, Range 17 East, Duchesne County, Utah  
 AREA: Jonah Unit  
 ELEVATION: Ground Graded 5345' KB 5355'  
 SPUDDED: May 23, 1995 @ 7:00 PM  
 DRILLED OUT: May 24, 1995 @ 3:00 PM  
 REACHED T.D.: May 31, 1995 @ 4:00 PM  
 RIG RELEASE: June 1, 1995 @ 6:00 PM  
 STATUS: Oil Well  
 HOLE SIZE: 12¼" Surface-294'; 7 7/8" 294-5700'  
 DRILLING FLUID: Air and foam Surface-294'; Kcl water 294'-T.D.  
 SURFACE CSG.: Ran 6 jts (264.4') 8 5/8", 24 lb, J-55 to 274' KB. Cemented w/160 sxs Class G, 2% CaCl<sub>2</sub>, ¼ lb/sx Cello Seal. Plug down May 24, 1995 @ 3:00 AM.  
 PRODUCTION CSG.: Ran 131 jts (5659.72') 5½", 15½ lb, J-55 to 5669.72 KB. Cemented w/383 sxs Super G, 47 lbs/sx G, 20 lbs/sx Poz, 17 lbs/sx CFE, 3% salt, 2% gel, 2 lbs/sx HiSeal 2; ¼ lb/sx Cello Seal. Tailed w/232 sxs 50/50 Poz, 2% gel, ½ lb/sx Cello Seal, 2 lbs/sx Hi Seal. Plug down June 1, 1995 @ 2:00 PM.  
 DSTs None. CORES: None.  
 LOGGING: Schlumberger Engineer: White Vernal, UT  
 1. Dual Laterolog w/Gr & Cal BSC-T.D.  
 2. FDC-CNL w/Gr & Cal 3900-T.D.  
 MUD LOGGER: Northwest Well Logging Service Vodahl, Schmoldt  
 CONTRACTOR: Union Drilling Co. Rig 17 Pusher: Dave Gray  
 SUPERVISION: Al Plunkett Gillette, WY  
 GEOLOGIST: Durwood Johnson Billings, MT



# FORMATION TOPS

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>* Reference Well</u>
TERTIARY			
Uintah	Surface		
Green River	1452	+3903	21' High
Horsebench Sand	2154	+3201	17' High
2nd Garden Gulch	3996	+1559	25' High
Y-2 Sand	4076	+1279	
Y-4 Sand	4344	+1011	
Yellow Marker	4426	+ 929	23' High
Douglas Creek	4591	+ 764	16' High
R-5 Sand	4784	+ 571	
2nd Douglas Creek	4835	+ 520	19' High
Green Marker	4977	+ 378	26' High
G-4 Sand	5074	+ 281	
BSF	5288	+ 67	5' High
Carbonate Marker	5436	- 81	24' High
B-1 Sand	5448	- 93	
B-3 Sand	5656	- 301	

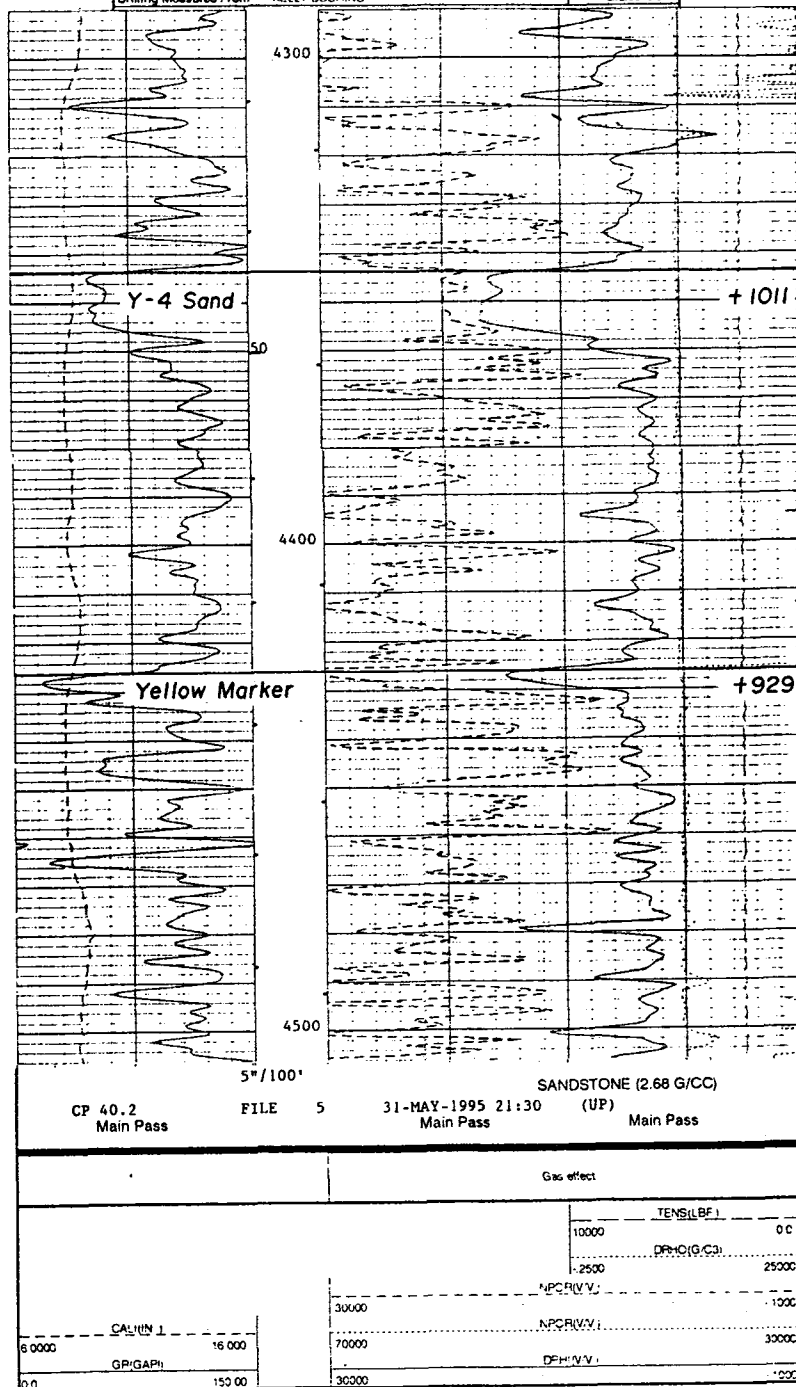
## TOTAL DEPTH:

Driller	5700'
Schlumberger	5687'

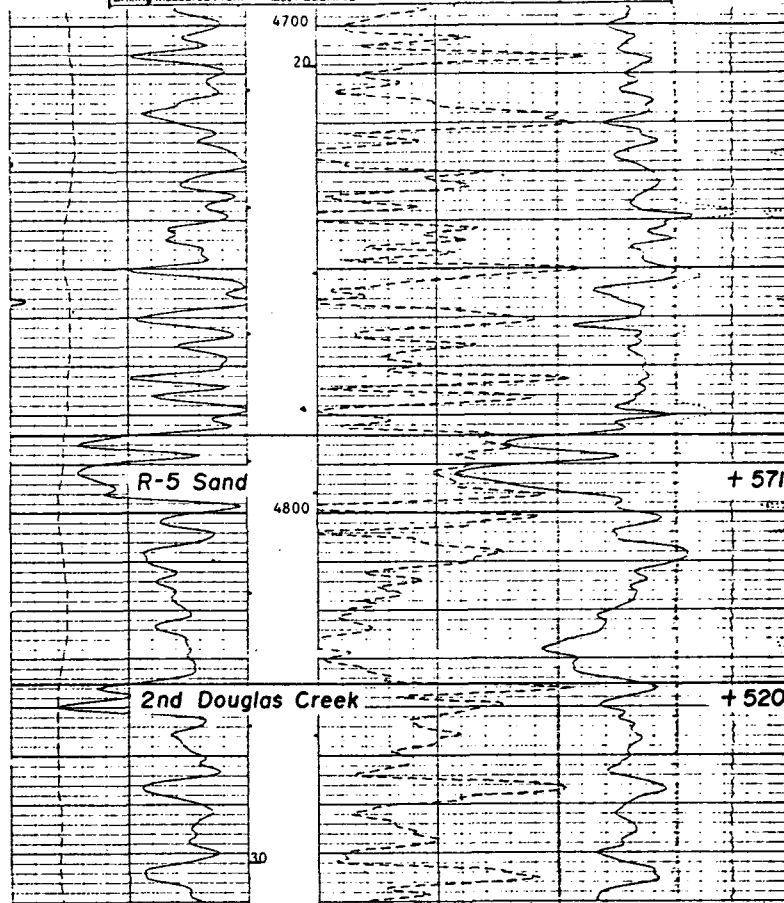
## \* Reference Well:

BFM No. 44-1J  
SESE Sec. 1-T9S-R16E  
Duchesne County, Utah

<b>FINAL PRINT</b> <b>Schlumberger</b>		<b>SIMULTANEOUS</b> <b>COMPENSATED NEUTRON-</b> <b>LITHO-DENSITY</b>			
COMPANY		BALCRON OIL COMPANY			
WELL		BALCRON MONUMENT FEDERAL 11-7J			
FIELD		JONAH UNIT			
COUNTY		DUCHESNE	STATE		UTAH
LOCATION		881 FNL & 447 FWL		Other Services: DIL GR ONT LDT-GR	
API SERIAL NO.		43-013-31492	SECT.	TWP	RANGE
			7	9 S	17 E
Permanent Datum		GROUND LEVEL	Elev.	5345.5'	
Log Measured From		KELLY BUSHING	10.0'	above Perm. Datum	
Drilling Measured From		KELLY BUSHING		Elev.: K.B. 5355.0' D.F. 5354.0' G.L. 5345.0'	



FINAL PRINT Schlumberger		SIMULTANEOUS COMPENSATED NEUTRON- LITHO-DENSITY			
COMPANY		BALCRON OIL COMPANY			
WELL		BALCRON MONUMENT FEDERAL 11-7J			
FIELD		JONAH UNIT			
COUNTY		DUCHESNE	STATE	UTAH	
LOCATION		S81 FNL & 447 FWL		Other Services: D.L. GR CNT 1.01 GR	
AP1 SERIAL NO.		43-013-31492	SECT.	TWP.	RANGE
			7	9 S	17 E
Permanent Datum		GROUND LEVEL	Elev.	5345.0 F	Elev.: K.B. 5355 C
Log Measured From		KELLY BUSHING	100 F	above Perm. Datum	D.F. 5394 C
Drilling Measured From		KELLY BUSHING			G.L. 5345 C



CP 40.2 Main Pass		FILE 5	31-MAY-1995 21:30 Main Pass	SANDSTONE (2.66 G/CC) (UP) Main Pass
Gas effect				
TENS-BF				
10000 0.0				
25000 25000				
NPOVV				
30000 1000				
70000 30000				
150000 1000				
CALI (IN)				
5 0000 15 000				
GR (GPI)				
2.0 150.00				

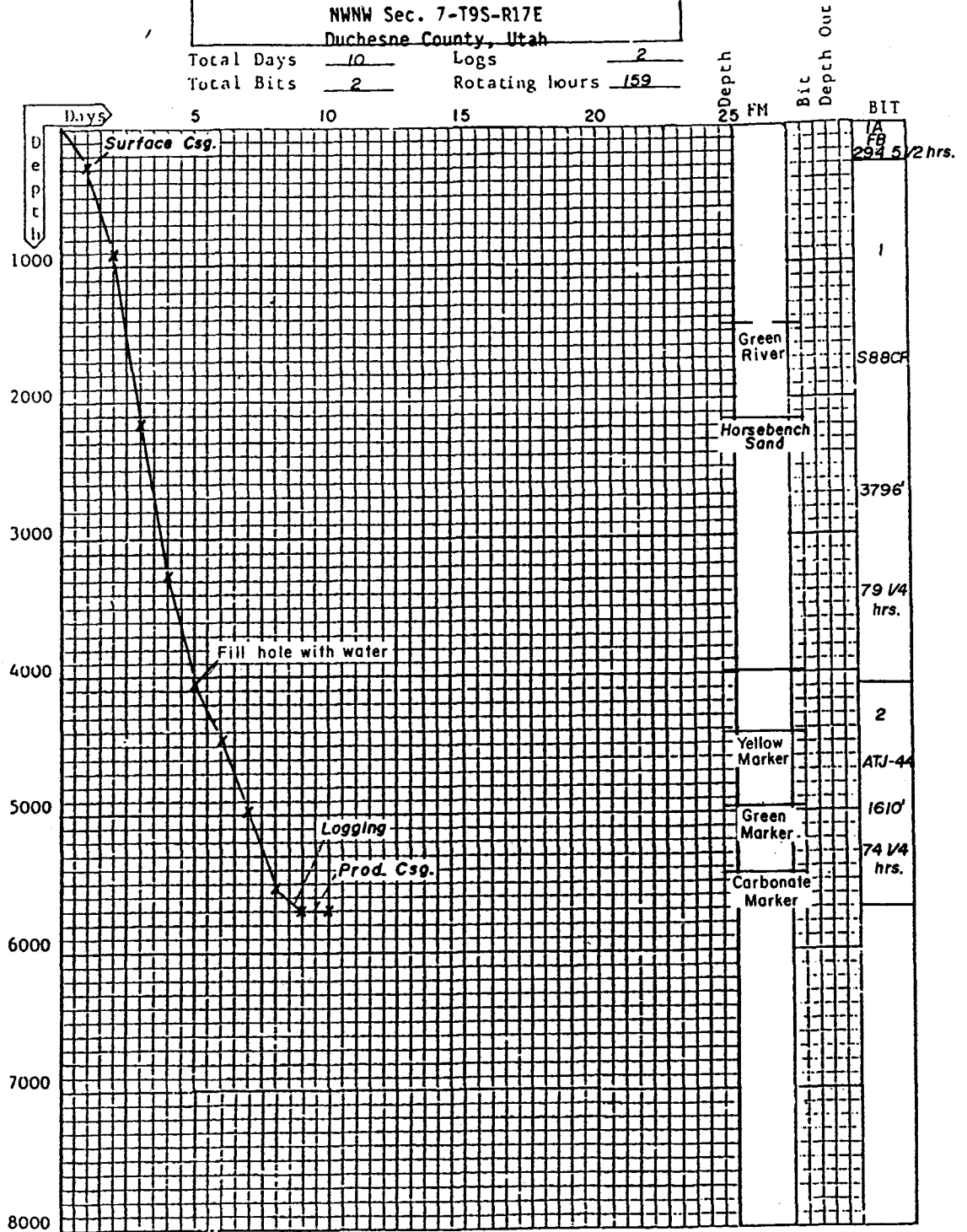
## SHOW REPORT

[illegible]

# PENETRATION CHART

Balcron Oil Company  
Monument Federal No. 11-7J  
NWNW Sec. 7-T9S-R17E  
Duchesne County, Utah

Total Days 10 Logs 2  
Total Bits 2 Rotating hours 159



PRINTED IN U. S. A.

[illegible]

## WELL HISTORY

<u>Day</u>	<u>Date</u>	<u>Depth</u>	<u>Operation</u>	<u>Daily Activity (Prev. 24 hrs.6AM-6AM)</u>
	1995			
1	5/24	294	WOC	Move in & rig up. Drill 17½" conductor hole & set conductor. Nipple up flow line & air bowel. Spud 12¼" surface 5/23/95 @ 7:00 PM. Drill to 294'. Made 294' in 5½ hrs. Circulate. Trip out. Run 8 5/8" csg to 274' KB & cement w/160 sxs. WOC.
2	5/25	905	Drilling	WOC. Cut off casing & weld on head. Nipple up BOPs & pressure test - held O.K. Trip in Bit 1 & pick up DCs. Drill cement plug, baffle & shoe - 2 hrs. Drill out from under surface 5/24/95 @ 3:00 PM. Drill from 294 to 566'. Survey. Trip to recover survey tool & line - ½ hr. Drill to 905'. Made 611' in 13½ hrs.
3	5/26	2160	Drilling	Drill & survey from 905 to 2160'. Made 1255' in 22 3/4 hrs.
4	5/27	3250	Drilling	Drill & survey from 2160 to 3250'. Made 2090' in 22 hrs.
5	5/28	4090	Tripping	Drill & survey from 3250 to 4090'. Made 840' in 21 hrs. Load hole w/water. Circulate. Trip out for Bit 2.
6	5/29	4493	Drilling	Complete trip - 4 hrs. Drill & survey from 4090 to 4493'. Made 403' in 18 3/4 hrs.
7	5/30	4997	Drilling	Drill & survey from 4493 to 4997'. Made 503' in 23¼ hrs.
8	5/31	5516	Drilling	Drill & survey from 4997 to 5516'. Made 519' in 22½ hrs.
9	6/1	5700	Lay Down	Drill & survey from 5516 to 5700'. Made 184' in 9 3/4 hrs. Reach T.D. 5/31/95 @ 4:00 PM. Circulate. Trip out. Logging - 6½ hrs. Trip in. Lay down pipe & drill collars.
10	6/2	5700		Complete laying down. Run 131 jts, 5½" production csg. Cemented w/615 sxs. Plug down 6/1/95 @ 2:00 PM. Rig released 6/1/95 @ 6:00 PM.

Balcron Oil Company  
Monument Butte Federal No. 11-7J  
NWNW Sec. 7-T9S-R17E  
Duchesne County, Utah

SAMPLE DESCRIPTION

- 1400-1450 Sandstone, very fine-fine grained, light gray, white and clear quart grains, sub-angular to sub-rounded, fair-good sorting, no show.
- GREEN RIVER 1452 (+3903)
- 1450-1500 Shale, gray, gray-tan, sub-platy, chunky, calcareous; streaks Shale, tan, light red-tan, platy, calcareous, occasional limey streaks - Oil Shale.
- 1500-1550 Sandstone, very fine grained, light gray, well sorted, sub-rounded, loose quartz grains; streaks Shale, brown, reddish brown, tan, chunky, dolomitic - Oil Shale.
- 1550-1650 Shale, bright reddish tan, light brown, blocky, chunky, trace disseminated pyrite, calcareous to limey - Oil Shale; @ 1600 increased Shale, brown, gray-tan, chunky, pyritic, calcareous and dolomitic - Oil Shale.
- 1650-1750 Shale, bright red, reddish tan, chunky, moderately calcareous and dolomitic - Oil Shale; @ 1700 Shale, as above; streaks Shale, pale tan, light gray-tan, dolomitic; occasionally grades to shaley Limestone - Oil Shale; trace calcite crystals; trace Limestone, cryptocrystalline, cream-tan, argillaceous, dense.
- 1750-1800 Shale, as above - Oil Shale; streaks Limestone, crypto-microcrystalline, tan, cream-tan, argillaceous to shaley, siliceous in part; trace chert, tan.
- 1800-1900 Shale, brown, reddish brown, gray-tan, tan, chunky, dolomitic and calcareous; grades to Marl - Oil Shale; @ 1850 increased Shale, gray, gray-tan, chunky, moderately calcareous to limey; grading to shaley Limestone.
- 1900-1950 Shale, bright reddish tan, brown, gray-brown, blocky, chunky, silty, calcareous; grades to a Marl - Oil Shale.
- 1950-2000 Shale, as above; increased shaley Limestone - Oil Shale.
- 2000-2050 Shale, brown, reddish brown, gray-brown, chunky,



- dolomitic, streaks moderately calcareous; grades to Marl - Oil Shale.
- 2050-2150 Shale, reddish tan, tan, chunky, moderately calcareous; grades to shaley Limestone; streaks Shale, gray, gray-brown, chunky, dolomitic - Oil Shale.
- 2150-2200 Shale, gray, gray-green, chunky, silty, non-calcareous streaks Sandstone, very fine grained, white, sub-rounded, silty, well sorted, scattered black accessory grains, moderately calcareous to limey; trace bright yellow fluorescence - mineral fluorescence in part - scattered chips with good light yellow cut.
- 2200-2250 Shale, reddish brown, brown, chunky, calcareous - Oil Shale; streaks Siltstone-very fine grained Sandstone, as above, moderately calcareous to limey, no show.
- 2250-2300 Shale, reddish brown, sub-platy, dolomitic; occasional calcareous streaks - Oil Shale.
- 2300-2350 Shale, as above; streaks Shale, brown, gray-brown, chunky, lumpy, dolomitic, calcareous streaks - Oil Shale.
- 2350-2450 Shale, brown, gray-brown, chunky, silty in part, moderately calcareous - Oil Shale.
- 2450-2500 Shale, as above; influx Shale, reddish tan, chunky, moderately calcareous - Oil Shale.
- 2500-2550 Shale, gray-tan, tan-light brown, chunky, silty, dolomitic in part - Oil Shale; streaks moderately calcareous; grades to shaley Limestone, cryptocrystalline, tan, light brown, dense.
- 2550-2600 Shale, gray-brown, reddish brown, sub-platy, limey streaks - Oil Shale.
- 2600-2650 Sandstone, very fine-fine grained, occasionally medium grained, white, tan, sub-rounded, fair-good sorting, appears fairly tight, possible fair porosity; scattered pale tan stain, scattered dull yellow and yellow fluorescence, fair-good light yellow cut; streaks Shale, dark brown, reddish brown, as above - Oil Shale.
- 2650-2700 Siltstone-very fine grained Sandstone, gray-brown, light gray, argillaceous to shaley, calcareous; grades to sandy Shale, brown, gray-brown, chunky.
- 2700-2750 Sandstone, very fine grained, light gray, tan, silty,

well sorted, sub-angular, no show; streaks Shale, reddish tan, brown, chunky, calcareous - Oil Shale.

- 2750-2800 Shale, reddish brown, brown, gray-brown, dolomitic, calcareous streaks - Oil Shale; occasional streaks Sandstone, light gray-tan, fair-good sorting, slightly calcareous, tight.
- 2800-2850 Shale, as above, moderately calcareous to limey - Oil Shale; occasional streaks Limestone, cryptocrystalline, brown, tan, argillaceous, silty in part.
- 2850-2900 Shale, dark gray-green, chunky, pyritic, very silty and sandy in part, waxy in part; Sandstone, very fine-grained, occasionally medium grained, white, tan, fair to good sorting, sub-angular, slightly calcareous, loose quartz grains, no fluorescence, no cut.
- 2900-2950 Shale, medium-dark gray, gray-green, chunky, pyritic, very silty and sandy in part; occasional streaks Sandstone, as above.
- 2950-3000 Shale, tan, tan-cream, reddish brown, chunky, sub-platy, slightly calcareous to limey - Oil Shale; scattered light yellow fluorescence, poor-fair light yellow cut.
- 3000-3050 Shale, tan, cream, moderately calcareous; grades to Limestone, earthy, microcrystalline, argillaceous; streaks Sandstone, very fine grained, white, light gray, silty, good sorting, calcareous to limey, tight.
- 3050-3100 Shale, light to medium gray, sub-platy, chunky, very silty in part; interbedded Sandstone, very fine grained, light gray, silty, good sorting, argillaceous, slightly calcareous, appears tight, no show.
- 3100-3150 Shale, gray, gray-tan, brown, platy, chunky, silty in part.
- 3150-3200 Shale, tan, light brown, platy, moderately calcareous to limey; streaks Limestone, cryptocrystalline, tan, earthy, argillaceous.
- 3200-3250 Limestone, earthy, cryptocrystalline, bright tan, reddish tan, argillaceous; streaks Shale, gray-green, chunky, waxy.
- 3250-3350 Limestone, micro-cryptocrystalline, fragmental, tan, argillaceous, earthy in part; streaks Shale, light gray-gray, gray-tan, chunky, sub-waxy, silty; streaks

Sandstone, very fine grained, light grayish white, well sorted, sub-angular, primarily loose quartz grains; @ 3300 occasional streaks Shale, gray-tan, gray-brown, chunky, calcareous and dolomitic - Oil Shale.

- 3350-3400 Limestone, as above; increased Shale, dark gray, gray-brown, brown, waxy, silty in part - Oil Shale.
- 3400-3450 Shale, light-medium gray, sub-waxy, silty in part; influx Sandstone, very fine grained, light gray, silty, sub-angular, fair-good sorting, appears tight; streaks Limestone, as above.
- 3450-3500 Shale, bright green, light gray, pale gray-green, waxy, silty streaks; abundant Sandstone, very fine-fine grained, light grayish white, clear, fair sorting, sub-angular, primarily loose quartz grains; occasional streaks Limestone, as above.
- 3500-3550 Shale, gray, gray-tan, brown, chunky, very silty in part; grades to argillaceous Siltstone - Oil Shale; occasional streaks Sandstone, as above; occasional streaks Limestone, as above.
- 3550-3600 Shale, light gray-gray, gray-tan, very silty in part; streaks Shale, tan, light brown, reddish brown, sub-platy, slightly dolomitic - Oil Shale.
- 3600-3650 Limestone, micro-cryptocrystalline, tan, earthy, argillaceous; streaks Shale, brown, reddish brown, gray-brown, calcareous and dolomitic - Oil Shale.
- 3650-3750 Shale, gray, gray-green, waxy, silty in part; abundant Limestone, as above; streaks Sandstone, very fine-fine grained. light gray, sub-angular, fair sorting, primarily loose quartz grains, cavings? At 3700 increased Sandstone, as above.
- 3750-3800 Shale, pale gray-green, light gray, chunky, waxy, silty in part; streaks Sandstone, very fine grained, light grayish white, well sorted, sub-angular to sub-rounded, moderately calcareous, tight.

2nd GARDEN GULCH 3796 (+1559)

- 3800-3850 Sandstone, very fine grained, tan, light gray-tan, sub-rounded, well sorted, primarily loose quartz grains, possible poor porosity, questionable pale tan stain, scattered dull yellow fluorescence, slow cloudy cut;) streaks Shale, as above.
- 3850-3900 Shale, gray-green, waxy, chunky, silty in part;

- abundant loose quartz grains, very fine-fine grained, light gray, white, clear, sub-angular (cavings?).
- 3900-3950 Shale, reddish brown, brown, tan, gray-tan, chunky, dolomitic - Oil Shale; Shale, as above; abundant loose quartz grains, as above.
- 3950-4050 Shale, pale gray, gray-tan, chunky, waxy, dolomitic in part, silty and sandy; abundant loose quartz grains, as above, no show.
- 4050-4090 Shale, pale gray-green, chunky, silty in part; streaks Sandstone, very fine-fine grained, light grayish white, fair-good sorting, sub-angular, slightly calcareous, no show.
- 4090-4130 Sandstone, very fine-fine grained, light brown, fair-good sorting, sub-angular, rare dark brown accessory grains, slightly calcareous, silica cement, appears primarily tight, possible poor porosity; light brown-brown stain, faint dull yellow fluorescence, fairly weak light yellow persistent cut; Shale, reddish brown, tan, sub-platy, dolomitic and calcareous - Oil Shale; streaks Shale, light-medium gray, pale gray-green, chunky, platy, silty, waxy in part, few streaks very silty. Poor sample from bit trip.
- 4130-4160 Shale, light-medium gray, chunky, sub-platy, waxy, very silty in part; occasional streaks Shale, reddish brown, chunky, blocky, dolomitic - Oil Shale.
- 4160-4190 Shale, gray, gray-brown, chunky, silty; rare streaks Siltstone, light gray-tan, good sorting, tight; streaks Shale, reddish brown, as above - Oil Shale.
- 4190-4220 Siltstone-very fine grained Sandstone, light gray, white, well sorted, argillaceous in part, sub-rounded, calcareous, tight, no show; Shale, as above, very silty in part.
- 4220-4250 Shale, dark brown, blocky, dolomitic, sharp; Shale, gray, light gray-green, chunky, waxy, silty in part; streaks Siltstone, as above.
- 4250-4280 Shale, dark brown, chunky, sub-platy, dolomitic, silty in part, carbonaceous; Shale, as above; streaks Shale, tan, platy, calcareous to limey; Shale, reddish tan, chunky, dolomitic - Oil Shale.
- 4280-4310 Shale, dark gray, gray-brown, blocky, brittle, carbonaceous; rare streaks Siltstone-very fine grained Sandstone, gray, white, well sorted, sub-angular to

sub-rounded, argillaceous, slightly calcareous, tight.

- 4310-4340 Shale, dark brown, dark gray-brown, platy, blocky, carbonaceous; streaks Shale, reddish brown, light brown, platy, blocky, moderately calcareous, limey in part; streaks Siltstone-very fine grained Sandstone, light gray, white, well sorted, calcareous, argillaceous in part, tight.
- 4340-4370 Sandstone, very fine-fine grained, tan, pale brown, well sorted, sub-angular to sub-rounded, contact silica cement, streaks of poor to fair porosity; tan to light brown stain, few brownish black specks, bright yellow-yellow fluorescence, instant strong whitish yellow cut; streaks Shale, as above.
- 4370-4400 Shale, gray, sub-platy, smooth, waxy in part, occasionally silty.
- 4400-4430 Shale, as above; streaks Siltstone, light gray, argillaceous, slightly calcareous; influx Shale, reddish brown, reddish tan, blocky, platy, dolomitic and calcareous - Oil Shale cavings.
- YELLOW MARKER 4426 (+929)
- 4430-4460 Shale, pale gray-gray, greenish cast, waxy, silty in part; abundant Shale, reddish brown, as above - Oil Shale cavings; occasional streaks Siltstone, as above; trace Limestone, earthy, tan, soft.
- 4460-4490 Limestone, ostracods in microcrystalline to lime mud matrix, fragmental in part, tan, earthy in part, loose ostracods common in sample; scattered even to spotty brown stain, light yellow-yellow fluorescence with greenish cast, fair-good whitish yellow streaming out, becomes cloudy; streaks Shale, bright tan, chunky, moderately calcareous to limey, very silty in part.
- 490-4520 Shale, pale green, pale gray, gray, waxy, silty; influx Siltstone-very fine grained Sandstone, white, sub-rounded, calcareous, tight; streaks Shale, red-brown, chunky, sub-blocky, calcareous to limey in part.
- 4520-4550 Siltstone-very fine grained Sandstone, as above, tight, no show; Shale, pale gray, gray, gray-green, waxy, smooth, silty in part; abundant Shale, reddish brown, reddish tan, chunky, dolomitic and calcareous - Oil Shale.
- 4550-4580 Shale, light gray, platy, waxy and silty in part;

streaks Siltstone, light gray, gray, argillaceous, slightly calcareous, tight; streaks Siltstone-very fine grained Sandstone, as above, tight, no show; Shale, reddish brown, blocky, chunky, dolomitic and calcareous streaks - Oil Shale.

DOUGLAS CREEK 4591 (+764)

- 4580-4610 Shale, brown, reddish brown, chunky, blocky, dolomitic and calcareous; Shale, gray, gray-tan, platy, chunky, smooth.
- 4610-4640 Shale, pale gray, pale green, platy, silty in part; streaks interbedded Siltstone, light gray, very argillaceous, slightly calcareous; Shale, reddish brown, blocky, platy, dolomitic.
- 4640-4670 Shale, brown, dark brown, gray-tan, sub-platy, chunky, calcareous in part; streaks Shale, as above.
- 4670-4700 Shale, light gray, pale gray-green, sub-waxy, occasionally silty; streaks Siltstone-very fine grained Sandstone, white, slightly calcareous, tight; Shale, reddish brown, chunky, platy, dolomitic in part, calcareous to limey in part - Oil Shale.
- 4700-4760 Shale, light gray-gray, sub-platy, waxy, silty streaks; occasional streaks Siltstone-very fine grained Sandstone, light gray, white, well sorted, calcareous, appears tight; streaks Shale, reddish brown, as above - Oil Shale; @ 4730 increased Siltstone-very fine grained Sandstone, as above, tight, no show.
- 4760-4790 Shale, medium gray, platy, chunky, sub-waxy, smooth; Shale, reddish tan, blocky, platy, moderately calcareous to limey.

R-5 SAND 4784 (+571)

- 4790-4820 Sandstone, very fine grained, light gray-white, pale tan, occasionally becomes fine grained, fair sorting, sub-angular, slightly dolomitic, streaks poor porosity; pale tan stain, bright light yellow to whitish yellow fluorescence, slow faint light whitish yellow cut; streaks Shale and Siltstone, as above.
- 4820-4880 Shale, light-medium gray, sub-platy, smooth, pyritic; streaks Siltstone, light gray-tan, argillaceous, moderately calcareous to limey; streaks Shale, reddish brown, chunky, blocky, dolomitic - Oil Shale.

- 4880-4910 Shale, as above; increased Siltstone, as above.
- 4910-4940 Shale, light-medium gray, platy, waxy in part, occasionally silty; trace Siltstone, light gray-tan; occasionally grades to very fine grained Sandstone, fair-good sorting, calcareous, appears tight; spotty tan to light brown stain, no fluorescence to faint dull yellow, occasional very faint pale whitish yellow cut.
- 4940-4970 Shale, dark gray-brown, platy, calcareous, limey streaks; trace Limestone, cryptocrystalline, tan, light brown, argillaceous.
- GREEN MARKER 4977 (+378)
- 4970-5000 Shale, light gray, occasionally medium gray, platy, silty streaks, calcareous, few limey streaks; Siltstone, light gray, argillaceous to shaley, calcareous.
- 5000-5030 Shale, as above; influx Shale, reddish brown and tan, blocky, sub-platy, moderately calcareous in part, limey streaks.
- 5030-5090 Shale, pale gray, chunky, waxy in part, calcareous streaks, very silty in part; streaks Siltstone, light gray, very argillaceous, calcareous; @ 5060 increased Siltstone-very fine grained Sandstone, light gray-gray, argillaceous, calcareous; streaks Shale, reddish brown and tan, blocky, dolomitic and calcareous.
- 5090-5120 Siltstone-very fine grained Sandstone, light gray, tan, well sorted, slightly calcareous, appears tight, scattered light brown, brown stain, few clusters with faint dull yellow fluorescence, slight greenish cast, slow whitish yellow cloudy cut; Shale, reddish brown and tan, platy, blocky, chunky, moderately calcareous to limey.
- 5120-5150 Shale, pale gray, platy, smooth, waxy, silty in part; occasional streaks Siltstone-very fine grained Sandstone, as above; trace stain, fluorescence and cut, as above; Shale, reddish tan, blocky, moderately calcareous to limey.
- 5150-5180 Shale, light-medium gray, sub-platy, waxy in part, silty streaks; Shale, reddish brown, occasionally reddish tan, blocky, dolomitic - Oil Shale.
- 5180-5210 Shale, medium to dark gray, chunky, occasionally silty.

- 5210-5240 Shale, dark gray, gray-brown, blocky, chunky, firm
- 5240-5270 Shale, brown, gray-brown, chunky, sub-platy, occasionally silty, soft.
- 5270-5300 Shale, gray-tan, gray, chunky, sub-blocky, slightly calcareous, very silty in part; grades to shaley Siltstone.
- BSF 5288 (+67)
- 5300-5360 Shale, black, dark gray, dark gray-brown, sub-platy, carbonaceous, few chips with petroliferous appearance, firm.
- 5360-5390 Shale, dark gray-brown, brown, chunky, sub-platy, carbonaceous, slightly calcareous.
- 5390-5420 Shale, dark brown, blocky, platy, carbonaceous, calcareous in part, limey streaks.
- CARBONATE MARKER 5436 (-81)
- 5420-5450 Shale, brown, gray-brown, moderately calcareous; streaks Limetone, cryptocrystalline, brown, dark brown, argillaceous, dense; streaks Sandstone, very fine grained, grayish brown, fair sorting, sub-angular, calcareous, silty, appears tight, possible poor porosity; scattered spotty to even black stain, faint dull yellow fluorescence, slight greenish cast, very slow whitish yellow cut.
- 5450-5510 Shale, pale gray, tan, smooth; occasional streaks Sandstone, very fine grained, as above; scattered spotty dark brown and black stain, fluorescence and cut, as above; streaks Shale, pale gray, smooth; Shale, reddish tan, chunky, sub-blocky, dolomitic and calcareous, abundant cavings? At 5480 slight increased Shale, pale gray, platy, chunky, waxy.
- 5510-5540 Shale, medium gray, occasionally dark gray, sub-platy, chunky, smooth; streaks Siltstone, light gray, gray-brown, argillaceous, tight.
- 5540-5570 Shale, as above; influx Siltstone, light gray, gray-tan, argillaceous, calcareous; occasionally grades to very fine grained Sandstone, appears tight; trace spotty light brown stain, dull yellow, yellow-white fluorescence, slow faint light yellow cut; abundant Shale, reddish brown, cavings?
- 5570-5600 Shale, as above; streaks Siltstone-very fine grained Sandstone, as above; streaks Shale, dark gray, blocky, carbonaceous, abundant cavings.



- 5600-5630 Sandstone, very fine grained, occasionally fine grained, white, light gray, fair sorting, rounded to sub-rounded, moderately calcareous; no show; Shale, pale gray, platy, smooth; abundant Shale, reddish tan, reddish brown, blocky, platy, moderately calcareous - cavings?
- 5630-5660 Sandstone, as above, no show; streaks Shale, pale gray, platy, smooth; abundant Shale, reddish tan, moderately calcareous, limey in part.
- 5660-5690 Shale, light-medium gray, gray-tan, chunky, very silty; streaks Siltstone-very fine grained Sandstone, well sorted, moderately calcareous to limey, appears tight, possible poor porosity; scattered grayish tan stain, faint dull yellow fluorescence, slow weak whitish yellow cut.
- 5690-5700 Shale, gray, gray-tan, platy, chunky, silty in part; occasional streaks Siltstone, as above; trace stain, fluorescence and cut, as above.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
DRILLING INSPECTION FORM

OPERATOR: EQUITABLE RESOURCES COMPANY REF: AL PLUNKETT

WELL NAME: BALCRON MON FED 11-7J API NO: 42-013-31492

QTR/QTR: NW/NW SECTION: 7 TWP: 09S RANGE: 17E

CONTRACTOR: UNION DRILLING COMPANY RIG NUMBER: #17

INSPECTOR: DENNIS L. INGRAM TIME: 2:45 PM DATE: 3/30/95

SPUD DATE: DRY: 5/21/95 ROTARY: 5/21/95 PROJECTED T.D. 5700'

OPERATIONS AT TIME OF VISIT: (5157' ON VISIT) DRILLING AHEAD.

WELL SIGN: Y MUD WEIGHT 8.3+ LBS/GAL ROPE: Y

BLOGGIE LINE: Y FLARE PIT: Y H2S POTENTIAL: NO

ENVIRONMENTAL:

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER:        BENTONITE:        SANITATION: Y

ROPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: YES

REMARKS:

DRILLING WITH KCL WATER AND SHOULD T.D. ON THURSDAY MORNING.

LAST SURVEY WAS ON WIRE LINE RAN AT 5073 AND WAS 1 1/4 DEGREES.

UNION #17 WILL DRILL ONE MORE HOLE AND THEN GO TO SNAKE VALLEY

IN UTAH ON THE NEVADA LINE.

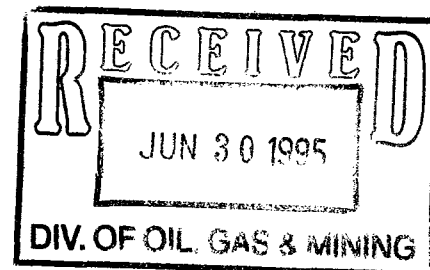
**Durwood Johnson**  
Petroleum Geologist



3118 AVENUE F  
BILLINGS, MONTANA 59102  
(406) 656-4872

June 28, 1995

State of Utah  
Division of Oil, Gas, & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180



Reference:

Balcron Oil Company  
Federal No. 41-10Y  
CENE Sec. 10-T9S-R16E  
Duchesne County, Utah  
43 013 31478 PA  
Gentlemen:

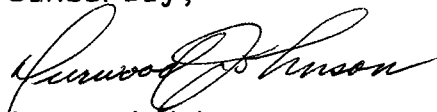
Balcron Oil Company  
Federal No. 32-19Y  
CSWNE Sec. 19-T8N-R17E  
Uintah County, Utah  
43 047 32615 DRL

Balcron Oil Company  
Monument Federal No. 11-7J  
NWN Sec. 7-T9S-R17E  
Duchesne County, Utah  
43-013-31492 DRL  
0681 FNL 0447 FWL

Enclosed are two copies of the Geological Wellsite Report for each of the subject wells for your files.

If you have any questions, please contact me.

Sincerely,

  
Durwood Johnson

DJ/jb  
Enclosures

**CONFIDENTIAL**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## REPORT OF WATER ENCOUNTERED DURING DRILLING

AUG 14 1995

1. Well name and number: Balcron Monument Federal #11-7JAPI number: 43-013-314922. Well Location: QQ NW NW Section 7 Township 9S Range 17E County Duchesne3. Well operator: Equitable Resources Energy Company, Balcron Oil DivisionAddress: 1601 Lewis AvenueBillings, MT 59102Phone: (406) 259-78604. Drilling contractor: Union DrillingAddress: Drawer 40Buckhannon, WV 26201Phone: (304) 4724610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered	
		during drilling operations	

6. Formation tops: Please see the back side of the completion report.

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8-10-95Name & Signature: Bobbie Schuman, Bobbie SchumanRegulatory and  
Title: Environmental Specialist

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 7, T9S, R17E  
681' FNL, 447' FWL

5. Lease Designation and Serial No.

U-44426

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. #11-7J

9. API Well No.

43-013-31492

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

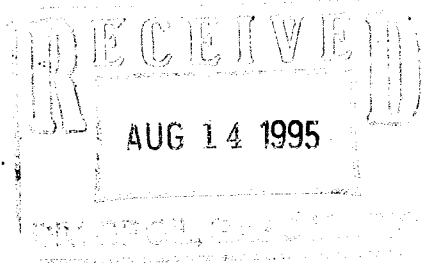
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☒ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator hereby requests permission to convert this well to a water injection well. This will be hooked up to the existing Jonah Unit water injection system and will inject approximately 150 STBWD into the sands of the Douglas Creek Member of the Green River formation. See attached well data sheet and proposed water injection wellbore diagram.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil, Gas and Mining



14. I hereby certify that the foregoing is true and correct

Signed

*Robbie Schuman*

Title

Regulatory and  
Environmental Specialist

(This space for Federal or State Office use)

Approved by

Conditions of approval, if any:

Title

Accepted by the State  
of Utah Division of  
Oil, Gas and Mining  
Date: August 14, 1995

Date:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

Jonah Unit Waterflood  
Attachment To Sundry Notice

Equitable Resources Energy Company, Balcron Oil Division is requesting permission to convert the Balcron Monument Federal #11-7J well to a water injection well. The well is located in the NW NW Section 7, T9S, R17E (Jonah Unit Waterflood), Duchesne County, Utah. The well will be hooked up to the existing Jonah Unit water injection system and will inject approximately 150 STBWPD into the sands of the Douglas Creek Member of the Green River Formation. Refer to the attached welldata sheet and proposed water injection wellbore diagram.



# EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

WELL NAME: Balcron Monument Federal #11-7J  
 FIELD: Monument Butte  
 FEDERAL LEASE NO.: U-44426  
 LOCATION: NW NW Sec.7, T9S, R17E  
 681' FNL & 447' FWL  
 COUNTY/STATE: Duchesne County, Utah  
 WORKING INTEREST: 0.805079506  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 6-14-95  
 INITIAL PRODUCTION: Not Tested  
 PRESENT PROD STATUS: Waiting Conversion To Injection.

DATE: 8-8-95 JZ  
 API NO.: 43-013-31492

NET REVENUE INTEREST: 0.73831617 Oil  
 0.66359285 Gas  
 OIL GRAVITY: 34 deg  
 SPUD DATE: 5-24-95

WATER INJECTION RATE:  
 ELEVATIONS - GROUND: 5345'  
 TOTAL DEPTH: 5697' KB

KB: 5355' (10' KB)  
 PLUG BACK TD: 5671' KB

## SURFACE CASING

SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 265' (6 jts)  
 DEPTH LANDED: 275' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs class "G" + 2% CCI +  
 1/4#/sk celloflake

## PRODUCTION CASING

SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5660.72 (143 jts)  
 DEPTH LANDED: 5671' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A +  
 17# CSE)/sk + 3% salt + 2% gel + 1/4 #/sk celloseal,  
 tail w/ 232 sk 50-50 POZ + 2% gel + 1/4 #/sk  
 celloseal + 2 #/sk HiSeal 2  
 CEMENT TOP AT: 110' KB from CBL.

## TUBING RECORD

	Length	Setting Depth w/ 10' KB
149 jnts 2 7/8", J-55, 6.5# Tubing	4668.33'	4678.33'
2 7/8" Sealing Nipple	1.10'	4679.43'
2 3/8"x 2 7/8" Cross Over	0.75'	4680.18'
Arrow Set-1 Packer	6.20'	4686.38'

Total String Length: 4676.38'  
 Packer Landed: 4686.38' KB

Arrow Set-1 Packer set w/13" tension on 6-14-95.

Packer Fluid: 55 gals Champion Cortron-2383 mixed w/ 75 STB 2 % KCl water.

SN @ 2 7/8" x 2.25" ID

Logs: Dual Laterolog, Compensated Neutron Litho-Density,  
 Cement Bond Log.

## PERFORATION RECORD

Date	Company	Depth	SPF	Size	Holes
6-12-95	Schlumberger	4784'- 87'	2 SPF (.38")	3 ft	6 holes
		4790'- 96'	2 SPF (.38")	6 ft	12 holes
		4926'- 28'	2 SPF (.38")	2 ft	4 holes
6-8-95	Schlumberger	5075'- 79'	4 SPF (.38")	4 ft	16 holes
		5089'- 94'	4 SPF (.38")	5 ft	20 holes
		5112'- 14'	4 SPF (.38")	2 ft	8 holes

## ACID JOB / BREAKDOWN JOB

Date	Company	Depth	Volume	Concentration	Notes
6-8-95	BJ/Western	5075'- 5114'	2982 gals	2% KCl wtr w/ 100 balls,	ATR 4.0 bpm, ATP 2600 psig, ISIP 1850 psig.
6-12-95	BJ/Western	4784'- 4796'	2058 gals	2% KCl wtr w/ 2 balls/bbl,	ATR 4.5 bpm, ATP 2200 psig, ISIP 1350 psig.
6-12-95	BJ/Western	4926'- 4928'	1596 gals	2% KCl wtr w/ 2 balls/bbl,	ATR 3.1 bpm, ATP 4000 psig, ISIP 1950 psig.

## FRAC JOB

Date	Company	Depth	Volume	Concentration	Notes
6-8-95	BJ/Western	5075'- 5114'	12,684 gals	2% KCl wtr w/ 27,660 lbs 16-30 mesh sand, ATR 34.5 bpm, ATP 2400 psig, ISIP 2300 psig, 15 min 2060 psig.	
6-12-95	BJ/Western	4784'- 4928'	15,162 gals	2% KCl wtr w/ 22,200 lbs 16-30 mesh sand, ATR 35.1 bpm, ATP 3400 psig, ISIP 2150 psig, 15 min 1660 psig.	



# EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

Balcron Monument Federal #11-7J  
681' FNL & 447' FWL  
NW NW Sec.7, T9S, R17E  
Lease No. U-44426  
Monument Butte Field  
Duchesne County, Utah

Elev. - 5345' GL  
Elev. - 5355' KB

## WELLBORE DIAGRAM

DATE: 8-8-95 JZ

### SURFACE CASING

SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 265' (6 jts)  
DEPTH LANDED: 275' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs class "G" + 2% CCI +  
1/4#/sk celloflake

275' KB

### PRODUCTION CASING

SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5660.72 (143 jts)  
DEPTH LANDED: 5671' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A +  
17# CSE)/sk + 3% salt + 2% gel + 1/4 #/sk celloseal,  
tail w/ 232 sk 50-50 POZ + 2% gel + 1/4 #/sk  
celloseal + 2 #/sk HiSeal 2  
CEMENT TOP AT: 110' KB from CBL.

### TUBING RECORD

	Length	Setting Depth w/ 10' KB
149 jnts 2 7/8", J-55, 6.5# Tbg	4668.33'	4678.33'
2 7/8" Seating Nipple	1.10'	4679.43'
2 3/8" x 2 7/8" Cross Over	0.75'	4680.18'
Arrow Set-1 Packer	6.20'	4686.38'

Total String Length: 4676.38'  
Packer Landed: 4686.38' KB

Arrow Set-1 Packer set w/13" tension on 6-14-95.

Packer Fluid : 55 gals Champion Cortron-2383 mixed  
w/ 75 STB 2 % KCl water.

SN @ 2 7/8" x 2.25" ID

Logs: Dual Laterolog, Compensated Neutron Litho-Density,  
Cement Bond Log.

### ACID JOB / BREAKDOWN JOB

6-8-95 BJ/Western 5075'- 5114' : 2982 gals 2% KCl wtr w/ 100 balls,  
ATR 4.0 bpm, ATP 2600 psig, ISIP 1850 psig.  
6-12-95 BJ/Western 4784'- 4796' : 2058 gals 2% KCl wtr w/ 2 balls/bbl,  
ATR 4.5 bpm, ATP 2200 psig, ISIP 1350 psig.  
6-12-95 BJ/Western 4926'- 4928' : 1596 gals 2% KCl wtr w/ 2 balls/bbl,  
ATR 3.1 bpm, ATP 4000 psig, ISIP 1950 psig.

### FRAC JOB

6-8-95 BJ/Western 5075' - 5114' : 12,684 gals 2% KCl wtr w/ 27,660 lbs  
16-30 mesh sand, ATR 34.5 bpm, ATP 2400 psig,  
ISIP 2300 psig, 15 min 2060 psig.  
6-12-95 BJ/Western 4784' - 4928' : 15,162 gals 2% KCl wtr w/ 22,200 lbs  
16-30 mesh sand, ATR 35.1 bpm, ATP 3400 psig,  
ISIP 2150 psig, 15 min 1660 psig.

### PERFORATION RECORD

6-12-95 Schlumberger 4784'- 87' 2 SPF (.38") 3 ft 6 holes  
4790'- 96' 2 SPF (.38") 6 ft 12 holes  
4926'- 28' 2 SPF (.38") 2 ft 4 holes  
6-8-95 Schlumberger 5075'- 79' 4 SPF (.38") 4 ft 16 holes  
5089'- 94' 4 SPF (.38") 5 ft 20 holes  
5112'- 14' 4 SPF (.38") 2 ft 8 holes

Retrievable Casing Packer @ 4686' KB

4784'- 4928' KB

5075'- 5114' KB

PBTD @ 5734' KB  
TD @ 5800' KB





**EQUITABLE RESOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

Balcron Monument Federal #11-7J  
NW NW Sec.7, T9S, R17E  
681' FNL & 447' FWL  
Lease No. U-44426  
Monument Butte Field  
Duchesne County, Utah

**PROPOSED INJECTION WELL COMPLETION DIAGRAM**

Elev. - 5345' GL  
Elev. - 5355' KB (10' KB)

DATE: 8-8-95 JZ

**SURFACE CASING**

SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 265' (6 jls)  
DEPTH LANDED: 275' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs class "G" + 2% CCI +  
1/4#/sk celloflake

275' KB

**PERFORATION RECORD**

6-12-95	Schlumberger	4784'- 87'	2 SPF (.38")	3 ft	6 holes
		4790'- 96'	2 SPF (.38")	6 ft	12 holes
		4926'- 28'	2 SPF (.38")	2 ft	4 holes
6-8-95	Schlumberger	5075'- 79'	4 SPF (.38")	4 ft	16 holes
		5089'- 94'	4 SPF (.38")	5 ft	20 holes
		5112'- 14'	4 SPF (.38")	2 ft	8 holes

**PRODUCTION CASING**

SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5680.72 (143 jls)  
DEPTH LANDED: 5671' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A +  
17# CSE)/sk + 3% salt + 2% gel + 1/4 #/sk celloseal,  
tail w/ 232 sk 50-50 POZ + 2% gel + 1/4 #/sk  
celloseal + 2 #/sk HiSeal 2  
CEMENT TOP AT: 110' KB from CBL.

- Uinta Formation @ Surface to 1400'

- Green River Formation @ 1400'- 4100'

- Douglas Creek Member @ 4100'- 5350'

RETRIEVABLE CASING PACKER @ 4686' KB

**TUBING RECORD**

SIZE / GRADE / WEIGHT: 2-7/8", J-55, 6.5#  
SEAT NIPPLE: 2-7/8" X 1.1'  
SN LANDED @ 4679' KB  
RETRIEVABLE CSG PACKER  
MODEL: Arrow Set-1  
PACKER LANDED @ 4686' KB

4784' - 4928' KB

5075' - 5114' KB

- Wasatch Formation Transition @ 5350'- 6000'

PBTD @ 5671' KB  
TD @ 5697' KB

- Wasatch Formation @ 6000'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 7, T9S, R17E  
681' FNL, 447' FWL

5. Lease Designation and Serial No.

U-44426

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. #11-7J

9. API Well No.

43-013-31492

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UT

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Lay injection line

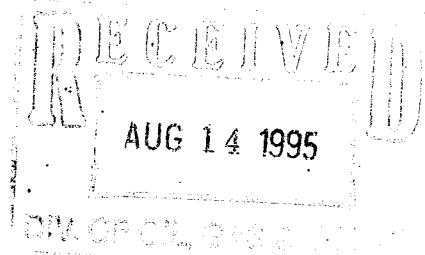
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator proposes to lay a water injection line in accordance with the attached procedure. A map is also attached.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil Gas and Mining



14. I hereby certify that the foregoing is true and correct

Regulatory and  
Environmental Specialist

Signed Bobbie Schuman

Title

(This space for Federal or State Office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Date

FOR RECORD ONLY

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

Jonah Unit Waterflood  
Attachment To Sundry Notice

Equitable Resources Energy Company, Balcron Oil Division is requesting permission to install a high pressure water injection line from the Balcron Monument Federal #11-7J well to the existing Jonah Unit water injection system. The water injection line will be constructed as follows:

- 1) A two inch steel high pressure water injection line will be laid from the Balcron Monument Federal #11-7J to the existing Jonah Unit water injection system. The high pressure line will be tied to the main Jonah Unit injection line in the NW NE Section 12, T9S, R17E, Duchesne County, Utah.
- 2) The water injection line will be laid by constructing a 60 foot right-of-way and digging a trench with a trackhoe approximately five feet deep and three feet wide. Due to the topography it is not possible to estimate the amount of the ditch line that will require blasting, however it is reasonable to conclude that some blasting will be required.
- 3) The water injection line will be two inch high pressure steel linepipe that will be welded together, primed, taped, outer rock guarded, and laid in the bedded trench. The water injection line will then be shaded for protection from rocks. All bedding and shading material will be purchased and brought in from sources off BLM leases.
- 4) A two inch SDR-7 poly line will be installed in the same trench as the water injection line from the Balcron Monument Federal #41-12J oil production well to the tie in point in the NW SE of Section 12. This will allow the gathering of produced water at a later date without additional disturbance to the environment.
- 5) This proposed water injection line will supply a maximum of 300 STBWPD at an estimated line pressure of 2300 psig to the Balcron Monument Federal #11-7J.
- 6) All right-of-ways will be recontoured, shaped, and seeded as per the specific instructions set forth by the Vernal Buearu Of Land Management.
- 7) All right-of-way will be kept to a minimum and the requested 60 foot ROW will be reduced whenever possible.
- 8) See the attached topographic map for the exact route proposed for the Balcron Monument Federal #11-7J water injection line and how it ties in to the existing Jonah Unit facilities.

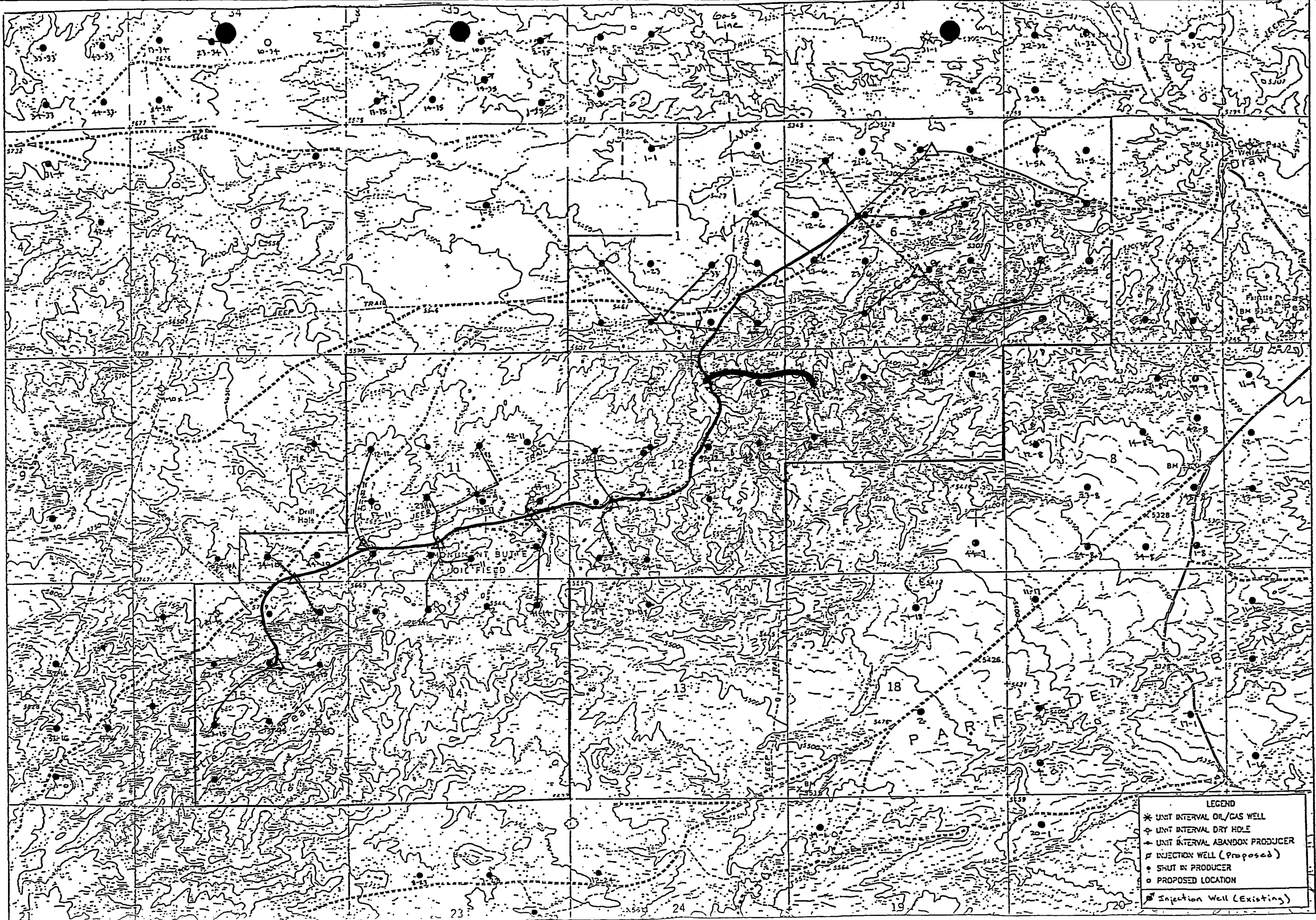


Figure -1    Δ    Injection Manifolds

—    Injection Lines

—    Proposed Water Injection Line  
For BMF # 11-7 J

EREC Balcon Oil Division  
Topographic Map  
Water Injection System  
Jonah Unit  
Monument Butte Field  
12



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

**August 10, 1995**

**Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078**

**Gentlemen:**

**RE: Balcron Monument Federal #11-7J  
NW NW Section 7, T9S, R17E  
Duchesne County, Utah**

**Enclosed for your records on the subject well is the Completion Report.**

**Please feel free to contact me if you need any further information.**

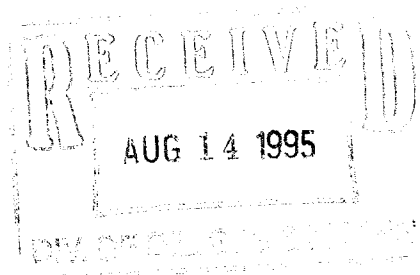
**Sincerely,**

**Molly Conrad  
Operations Secretary**

**/mc**

**Enclosures**

**cc: State of Utah, Division of Oil, Gas, & Mining: also enclosed is  
our Report of Water Encountered  
Bobbie Schuman  
Lou Ann Carlson  
Valeri Kaae**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
AUG 14 1995

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

SUBMIT IN DUPLICATE

(See instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

CONFIDENTIAL

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-44426	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVR. <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a	
2. NAME OF OPERATOR Equitable Resources Energy Company, Balcron Oil Division		7. UNIT AGREEMENT NAME Jonah Unit	
3. ADDRESS OF OPERATOR 1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860		8. FARM OR LEASE NAME Balcron Monument Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 681' FNL & 447' FWL At top prod. interval reported below At total depth		9. WELL NO. #11-7J	
14. PERMIT NO. 43-013-31492		DATE ISSUED 3-7-95	
15. DATE SPUDDED 5-23-95		16. DATE T.D. REACHED 6-1-95	
17. DATE COMPL. (Ready to prod.) n/a		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5343.2' GL	
19. ELEV. CASINGHEAD n/a		10. FIELD AND POOL, OR WILDCAT Monument Butte/Green River	
20. TOTAL DEPTH, MD & TVD 5,700'		21. PLUG, BACK T.D., MD & TVD 5621' KB	
22. IF MULTIPLE COMPL., HOW MANY* n/a		23. INTERVALS DRILLED BY SFC - TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* n/a		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLI-GR CME-LDI-GR CB/62 mud log 6-9-95		27. WAS WELL CORED No	
29. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24#	275'	12-1/4"
5-1/2"	15.5#	5669.72'	7-7/8"
			CEMENTING RECORD
			160 sxs Class "G" w/additives
			383 sxs Super "G" w/additives
			232 sxs 50/50 POZ w/additives
			AMOUNT PULLED
			None
			None
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
n/a			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-7/8"	4680.18'	4686.38' KB	
31. PERFORATION RECORD (Interval, size and number)			
5112' - 5114' (4 SPF) 4784' - 4787' (2 SPF)			
5089' - 5094' (4 SPF)			
5075' - 5079' (4 SPF)			
4926' - 4928' (2 SPF)			
4790' - 4796' (2 SPF)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
**See Attachment.			
33. PRODUCTION			
DATE FIRST PRODUCTION n/a		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
DATE OF TEST		WELL STATUS (Producing or shut-in) Shut-In WO Conversion	
HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY			
35. LIST OF ATTACHMENTS 32. Acid, Shot, Fracture, cement Squeeze, Etc.			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Robbie Schuman</u>		TITLE <u>Regulatory and Environmental Specialist</u>	
		DATE <u>8-10-95</u>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	Uintah Green River Horsebench Sand 2nd Garden Gulch Y-2 Sand Y-4 Sand Yellow Marker Douglas Creek R-5 Sand 2nd Douglas Creek Green Marker G-4 Sand BSF Carbonate Marker B-1 Sand B-3 Sand	Surface 1452' 2154' 3996' 4076' 4344' 4426' 4591' 4784' 4835' 4977' 5074' 5288' 5436' 5448' 5656'	Surface 1452' 2154' 3996' 4076' 4344' 4426' 4591' 4784' 4835' 4977' 5074' 5288' 5436' 5448' 5656'

**ATTACHMENT TO COMPLETION REPORT  
BALCRON MONUMENT FEDERAL #11-7J  
NW NW Section 7, T9S, R17E  
Duchesne County, Utah**

**INTERVAL**

**MATERIAL USED**

**5075'-5114'**

**Break down with 2,982 gallons 2% KCL water.  
with 27,660# 16/30 mesh sand with 12,684  
gallons 2% KCL gelled water.**

**4784'-87' &  
4790'-96'**

**Break down with 2,058 gallons 2% KCL water.**

**4926''-28' KB**

**Break down with 1,596 gallons 2% KCL water.**

**4784'-4928'**

**Frac with 22,200# 16/30 mesh sand with 15,162  
gallons 2% KCL gelled water.**

**/mc**

**8-10-95**



## ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of ten proposed well locations and access routes (Balcron Monument Federal wells #42-12J, 11-7J, 41-12J, 42-14J, 32-14J, 22-14J, 24-25, 34-25, 43-26 and 14-26). These evaluated locations are situated on federally administered lands located in the Monument Buttes and Pleasant Valley localities of Duchesne and Uintah Counties, Utah. This evaluation involved a total of 135.15 acres, of which 100 acres are associated with the well pads and an additional 35.15 acres are associated with access road rights-of-way. One additional well included in this report, (Monument Federal 12-7J) was previously inventoried in a forty acre intensive zone (inventory #013-163, Vernal BLM). The well pad and access road for that location have already been constructed. These evaluations were conducted by F.R. Hauck and Glade Hadden of AERC on December 15 and 20, 1994.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No newly identified cultural resource activity loci of either historic or prehistoric origin were discovered and recorded during the examinations.

Two isolated artifacts were noted during the investigations. An isolated Rose Spring style projectile point (Isolate 1461G/X1, see Figure 1) was recovered from the disturbance zone of well # 43-26 (see Map 3). A non-diagnostic biface chopping tool was discovered but not collected near the well pad for well # 42-12J. This tool is similar in appearance to others found in the area (Hauck and Hadden 1994d).

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

**CULTURAL RESOURCE EVALUATION  
OF PROPOSED WELL LOCATIONS AND ACCESS ROUTES  
IN THE MONUMENT BUTTES AND  
PLEASANT VALLEY LOCALITIES  
OF DUCHESNE & UINTAH COUNTIES, UTAH**

**Report Prepared for Balcron Oil Company**

**Dept. of Interior Permit No.: UT-94-54937  
AERC Project 1461 (BLCR-94-11)**

**Utah State Project No.: UT-94-AF-775b**

**Principal Investigator  
F. Richard Hauck, Ph.D.**

**Authors of the Report  
F. Richard Hauck & Glade V Hadden**



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)**

**181 North 200 West, Suite 5  
P.O. Box 853  
Bountiful, Utah 84011-0853**

**December 30, 1994**

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## GENERAL INFORMATION

On December 15 and 20, 1994, AERC archaeologists F.R. Hauck and Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved ten proposed well locations and associated access roads (Balcron Monument Federal Units 42-12J, 11-7J, 41-12J, 42-14J, 32-14J, 22-14J, 24-25, 14-26, 34-25, 43-26 and 14-26), and an additional well (Balcron Monument Federal 12-7J which has been constructed and previously inventoried in a forty acre intensive survey zone (inventory 013-163, Vernal BLM). The project area is in the Monument Buttes and Pleasant Valley localities south east of Myton, Utah (see Map 1). Some 135.15 acres were examined which include 100 acres associated with the well pads and some 35.15 acres associated with the access routes, all of which are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and associated access routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

### Project Location

The project location is in the Monument Buttes locality of Duchesne County, and the Pleasant Valley locality of Uintah County. All of the evaluated wells and access routes are situated on the Myton SE and Pariette Draw SW 7.5 minute topographic quads (see Maps).

Balcron Monument Federal #11-7J is situated in the NW quarter of the NW quarter of Section 7, Township 9 South, Range 17 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

Balcron Monument Federal #12-7J is situated in the SW quarter of the NW quarter of Section 7, Township 9 South, Range 17 East SLBM (see Map 2).

Balcron Monument Federal #41-12J is situated in the NE quarter of the NE quarter of Section 12, Township 9 South, Range 16 East SLBM, together with ca. 0.4 miles of access route (see Map 2).

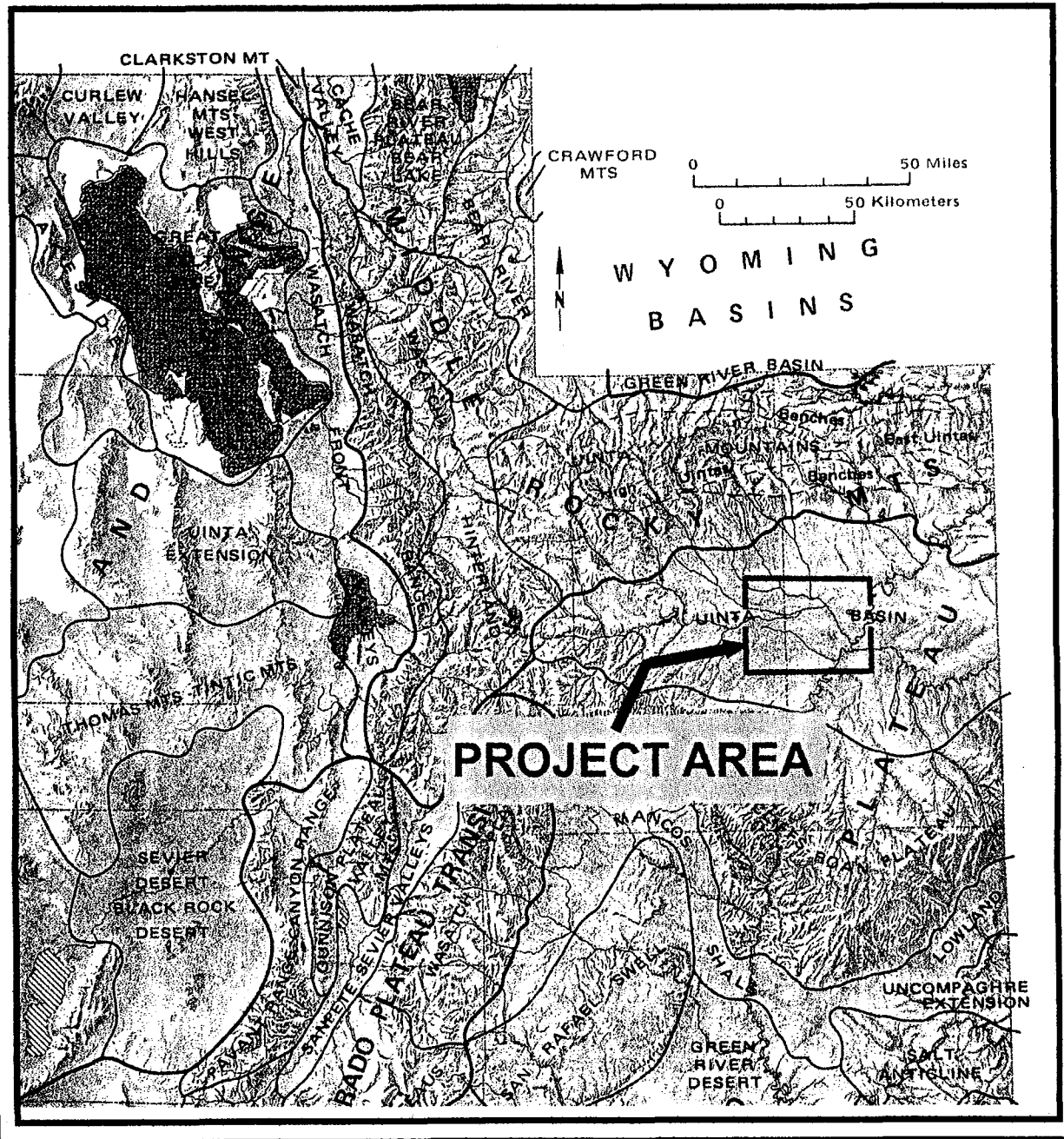
**MAP 1: GENERAL BALCRON PROJECT  
LOCALITY IN DUCHESNE AND UINTAH  
COUNTIES OF NORTHWESTERN UTAH**

**PROJECT: BLCR-94 - 11**

**SCALE: see below**

**QUAD: UG & MS Map 43**

**DATE: 12-30-94**



**UTAH**

**T. multiple**

**R. multiple**

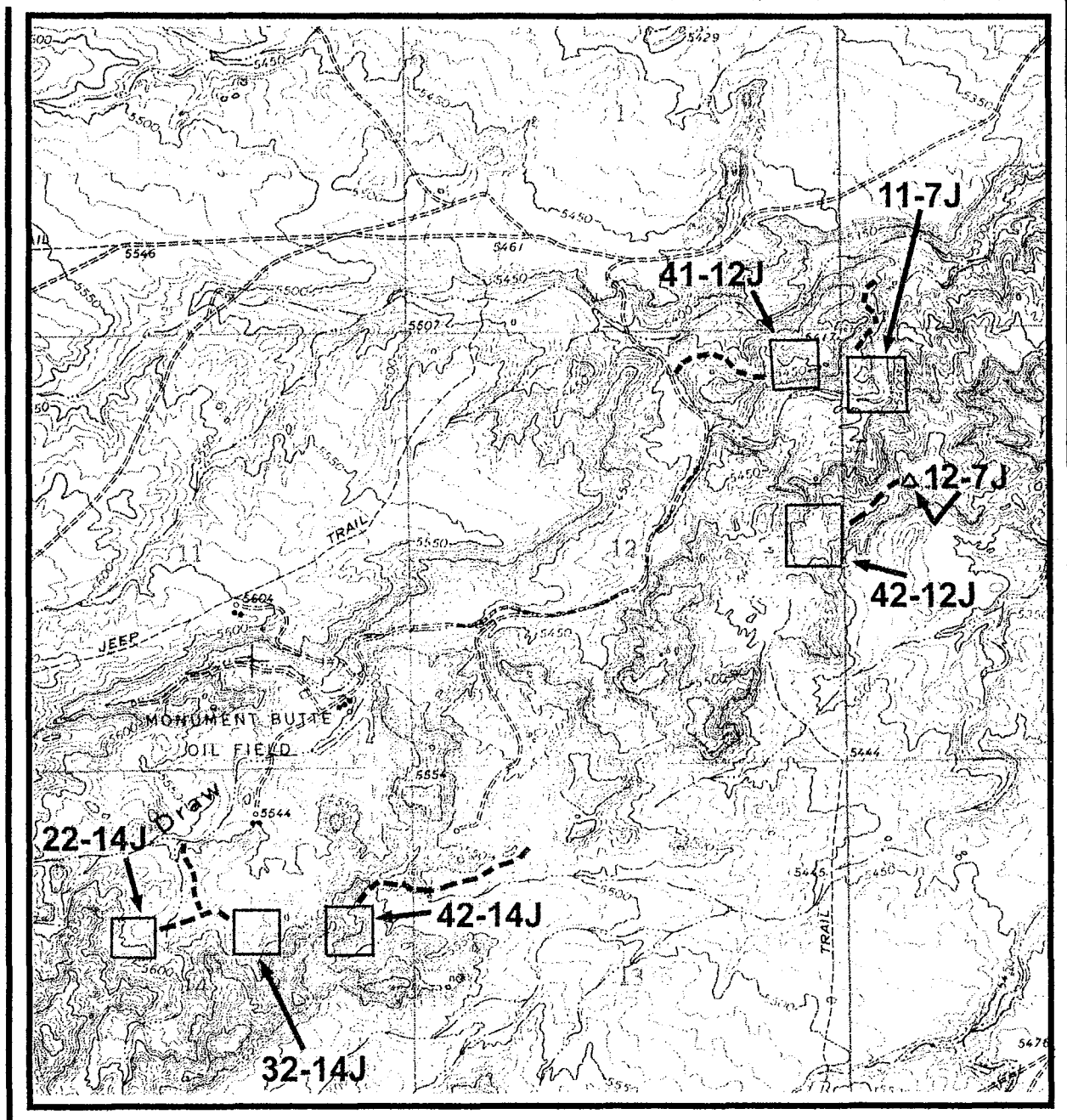
**Meridian: Salt Lake B & M**

**(After PHYSIOGRAPHIC SUBDIVISIONS  
OF UTAH by W.L. Stokes)**

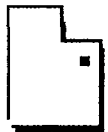
**MAP 2: CULTURAL RESOURCE SURVEY  
OF BALCRON UNITS 11-7J, 12-7J,  
22-14J, 32-14J, 41-12J, 42-12J, and  
42-14J IN THE  
MONUMENT BUTTES LOCALITY OF  
DUCESNE COUNTY, UTAH**



**PROJECT:** BLCR-94-11  
**SCALE:** 1:24,000  
**QUAD:** Myton SE, Utah  
**DATE:** 12-30-94



**LEGEND:**



UTAH

T. 9 South

R. 16 East

Meridian: Salt Lake B & M

Existing Well Location

Survey Plot

Access Route







**MAP 4: CULTURAL RESOURCE SURVEY  
OF BALCRON UNIT 14-26 IN THE  
MONUMENT BUTTES LOCALITY OF  
DUCHESNE COUNTY, UTAH**

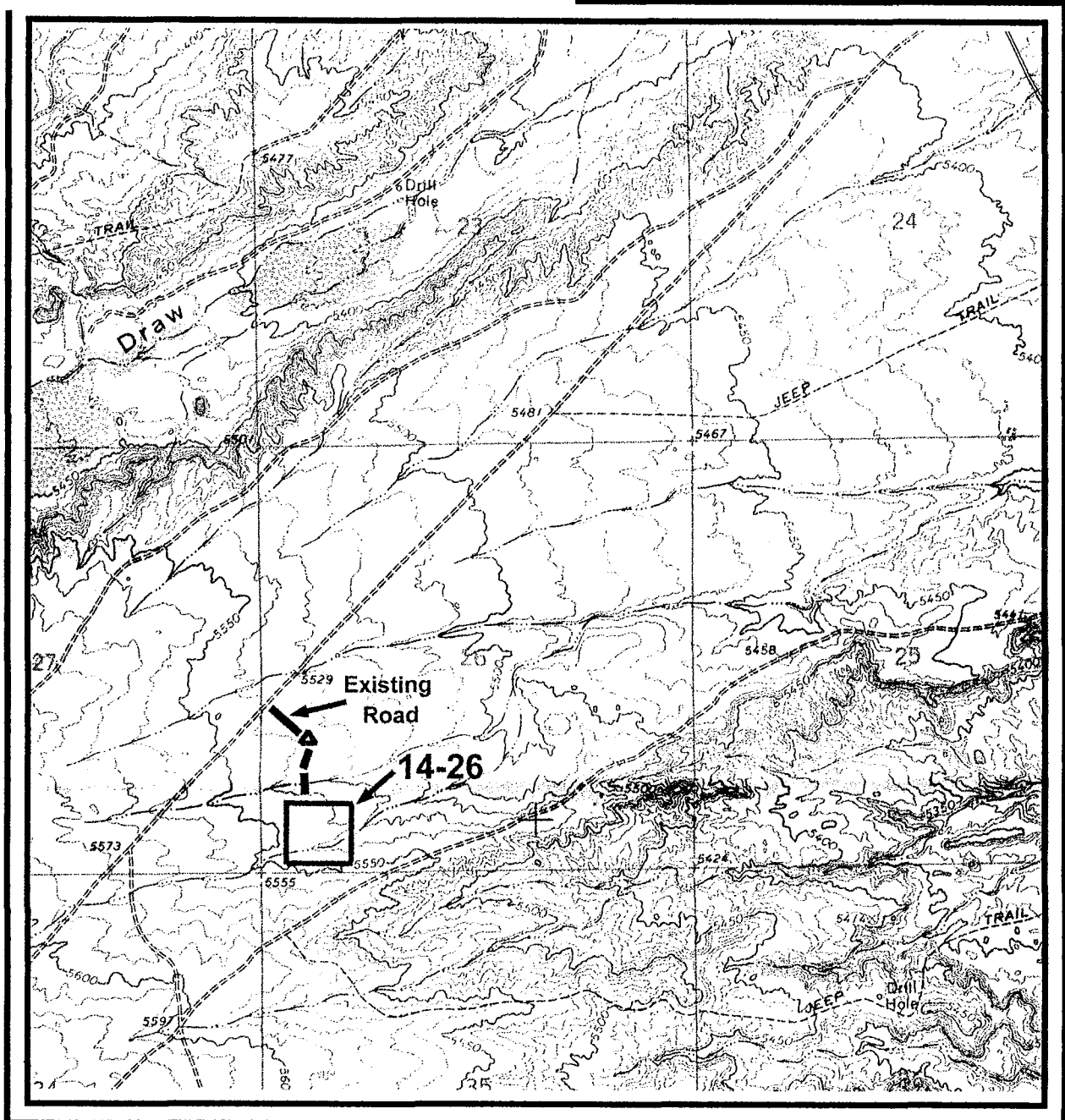


**PROJECT: BLCR - 94 - 11**

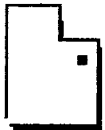
**SCALE: 1: 24,000**

**QUAD: Myton SE, Utah**

**DATE: 12 - 30 - 94**



**LEGEND:**



**UTAH**

**T. 8 South**

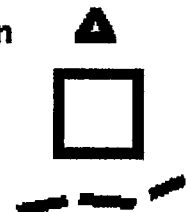
**R. 16 East**

**Meridian: Salt Lake B & M**

**Existing Well Location**

**Survey Plot**

**Access Route**



Balcron Monument Federal #42-12J is situated in the SE quarter of the NE quarter of Section 12, Township 9 South, Range 16 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

Balcron Monument Federal #22-14J is situated in the SE quarter of the NW quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. 0.1 miles of access route (see Map 2).

Balcron Monument Federal #32-14J is situated in the SW quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. .03 miles of access route (see Map 2).

Balcron Monument Federal #42-14J is situated in the SE quarter of the NE quarter of Section 14, Township 9 South, Range 16 East SLBM, together with ca. 0.6 miles of access route (see Map 2).

Balcron Monument Federal #24-25 is situated in the SE quarter of the SW quarter of Section 25, Township 8 South, Range 17 East SLBM, together with ca. 0.1 miles of access route (see Map 3).

Balcron Monument Federal #34-25 is situated in the SW quarter of the SE quarter of Section 25, Township 8 South, Range 17 East SLBM, together with ca. 0.4 miles of access route (see Map 3).

Balcron Monument Federal #43-26 is situated in the NE quarter of the SE quarter of Section 26, Township 8 South, Range 17 East SLBM, together with ca. 0.2 miles of access route (see Map 3).

Balcron Monument Federal #14-26 is situated in the SW quarter of the SW quarter of Section 26, Township 8 South, Range 16 East SLBM, together with ca. 0.2 miles of access route (see Map 4).

### Environmental Description

The project area is within the 5000 to 5500 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

The vegetation in the project area includes *Chrysothamnus* spp. *Artemisia* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp. *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.

## PREVIOUS RESEARCH IN THE LOCALITY

### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on December 19, 1994. A similar search was conducted in the Vernal District Office of the BLM on December 15, 1994. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw/ Eight Mile Flat/ Pariette Draw localities. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989).

### Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

### Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute

horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each ten acre well pad area. Access routes are evaluated by the archaeologists walking a pair of 10 to 15 meter-wide transects on either side of the flagged access route rights of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 35.15 acres) was examined for the various proposed access roads, in addition to the 100 acres inventoried on the well pads.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

### Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

*The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:*

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

#### Results of the Inventory

No prehistoric or historic cultural resource activity loci were observed and recorded during the archaeological evaluations.

No previously identified and recorded significant or National Register sites were noted or recorded during the survey.

One diagnostic isolated artifact was collected during the evaluation. Isolate 1461G/x1 is a Rose Spring style projectile point (see Figure 1) collected from the disturbance zone of well # 43-26 (see Map 3). A detailed evaluation of the locality failed to yield any identifiable features or cultural contexts that would demonstrate the presence of an archaeological locus. A single non-diagnostic tool was noted in the area of well 42-12J. This tool was a simple chopper constructed by bifacially removing several flakes from one end of a hand-sized cobble. The occurrence of this tool fits a previously noted pattern (Hauck and Hadden 1994d), and may be related to the ambush hunting and subsequent butchering of large game animals, possibly during the Archaic period. A detailed evaluation of the locality failed to yield any identifiable features or cultural contexts that would demonstrate the presence of an archaeological locus.



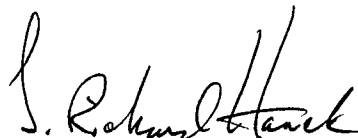
**FIGURE 1**  
**Isolate 1461G/x1**  
**(Actual Size)**

## CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of the Balcron Well Units as evaluated during this AERC project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of these proposed drilling locations and the associated access routes based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal Investigator

## REFERENCES

Fike, Richard E. and H. Blaine Phillips II

- 1984 "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1984a Excavation (in) "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, ( Richard E. Fike and Blaine Phillips II editors and principal authors) Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Glade V Hadden

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil



Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.

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1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.

1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.

1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.

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Hauck, F. Richard and Norman, V. Garth

1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Dennis Weder

1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42, of the Archeological-Environmental Research Corporation, Bountiful.

Stokes, W. L.

1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake.

BALCRON OIL

*43-012-31492*

Balcron Monument Federal #11-7J

NW NW Section 7, T9S, R17E, SLB&M

Duchesne County, Utah

**CONFIDENTIAL**

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
235 EAST MAIN  
VERNAL, UTAH 84078

DECEMBER 29, 1994

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT FEDERAL #11-7J, NW, NW,  
Section 7, T9S, R17E, SLB&R, DUCHESNE COUNTY, UTAH.

Description of Geology and Topography-

This well location is approximately 10 miles south of Myton, Utah. It is located in Castle Peak Draw. The proposed access road leaves a dry hole and runs south .3 mile to the proposed wellpad. Rocks in the area are made up of layers of mudstone and sandstone. The wellpad sits on the east side on a small ridge between this ridge and Castle Peak Wash.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

Paleontological material found -

Two turtle sites were found along the proposed access road. One (A) is off the road alignment enough to be missed. The other (B) is around a small mound of reddish sandstone and mudstone in the flat area northwest of the well location. The road alignment as staked passes through this mound.

Only one small turtle shell fragment was found on the well location.

Recommendations-

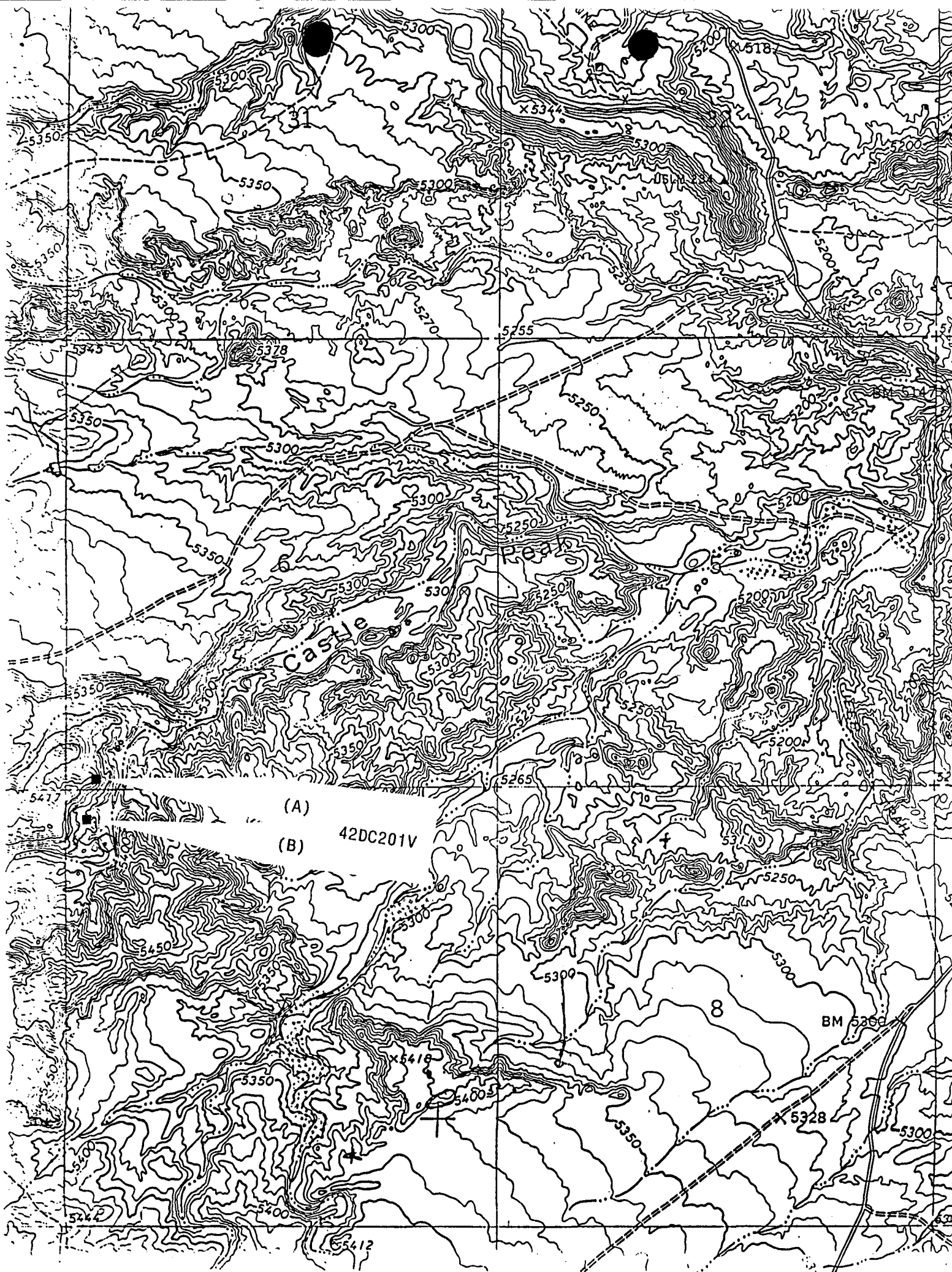
It is recommended that the road be curved enough to the east as it approaches the mound with turtle shell material (B) so that it will pass it.

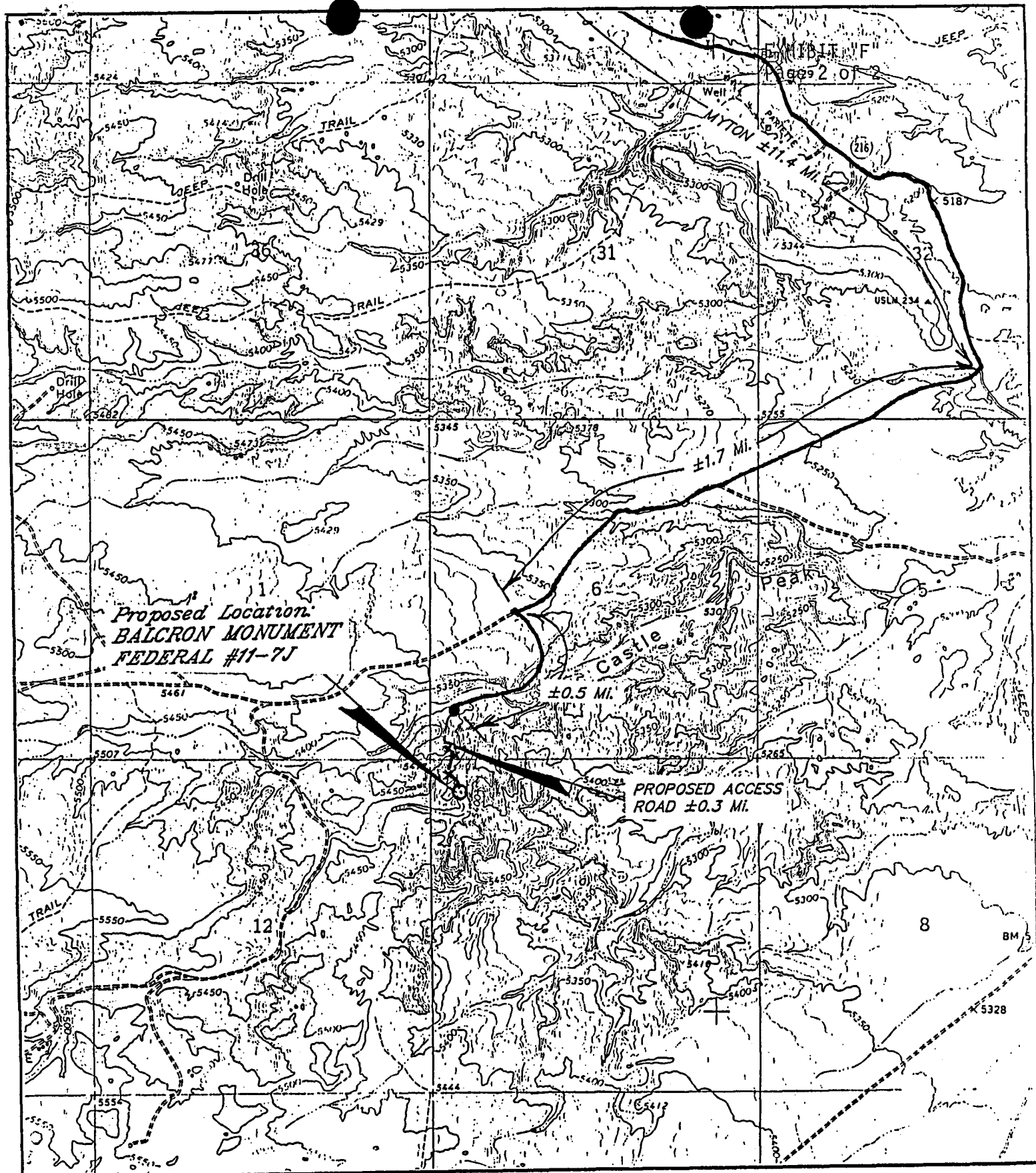
No other recommendations are made for this location and road.

Allen H. Hamblin

Date December 29, 1994

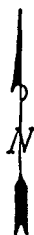
<b>PALEONTOLOGY LOCALITY</b> <b>Data Sheet</b>										Page 1 of 1 plus map									
										State Local. No. 42 DC201V									
										Agency No. BALCRON MONUMENT BUTTE									
										Temp. No FEDERAL #11-7J									
1. Type of locality Invertebrate			Plant			Vertebrate			X		Trace		Other _____						
2. Formation: UINTA					Horizon: Lower (B)					Geologic Age: Late Eocene									
<b>3. Description of Geology and Topography:</b> The well is located in Castle Peak Draw. The proposed access road leaves a dry hole and runs south .3 mile to the proposed wellpad. Rocks in the area are made up of layers of mudstone and sandstone. The wellpad sits on the east side on a small ridge between this ridge and Castle Peak Wash.  All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.																			
4. Location of Outcrop: 10 miles south of Myton, Utah.																			
5. Map Ref.		USGS Quad		Myton SE, Utah				Scale		7.5 Min		Edition		1964					
SW1/4& NW1/4	of of	SW1/4 NW1/4	of of	SW1/4 NW1/4	of Sectn of Sectn	6 7	T	9 S	R	16E	Meridn	SLB							
6. State: UTAH			County: DUCHESNE COUNTY				BLM/FS District: VERNAL- DIAMOND MT.												
7. Specimens Collected and Field Accession No. NONE																			
8. Repository:																			
<b>9. Specimens Observed and Disposition:</b> Two turtle sites were found along the proposed access road. One (A) is off the road alignment enough to be missed. The other (B) is around a small mound of reddish sandstone and mudstone in the flat area northwest of the well location. The road alignment as staked passes through this mound.																			
10.Owner: Private		State		BLM		X		US FS		NPS		IND		MIL OTHR					
11.Recommendations for Further Work or Mitigation:It is recommended that the road be curved enough to the east as it approaches the mound with turtle shell material (B) so that it will pass it.																			
12.Type of Map Made by Recorder:																			
13.Disposition of Photo Negatives:																			
<b>14.Published References:</b> Hamblin, A. H., 1992, Paleontology Report on the Monument Butte EA Study Area, for Mariah Associates, Laramie, Wyoming. Hamblin, A. H., 1994, Paleontology Report on the Monument Butte Expansion EA Study area, for Mariah Associates, Laramie, Wyoming. Hamblin, A. H., 1987, Paleogeography and paleontology of the Myton Pocket, Uinta Basin, Utah (Uinta Formation - Upper Eocene): BYU Geology Studies vol. 34, no. 1, p. 33-60.																			
15.Remarks:																			
16.Sensitivity:		Critical			Significant			Important			X		Insignificant						
17.Recorded by: Alden Hamblin, Paleontologist										Date: December 10, 1994									





**EQUITABLE RESOURCES CO.**

BALCRON MONUMENT FEDERAL #11-7J  
SECTION 7, T9S, R17E, S.L.B.&M.  
TOPO "B"



SCALE: 1" = 2000'

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078



EQUITABLE **RESOURCES**  
ENERGY COMPANY

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

August 10, 1995

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180

Dear Mr. Jarvis:

RE: Balcron Monument Federal #11-7J  
NW NW Section 7, T9S, R17E  
Duchesne County, Utah

Enclosed is our Application to convert the referenced well to injection. The Affidavit of mailing to other operators and interest owners will be sent to you shortly.

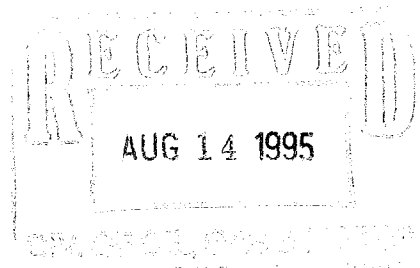
If you have questions or need additional information, please give either me or John Zellitti a call at (406) 259-7860.

Sincerely,

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures









**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☐

United States Environmental Protection Agency  
Region VIII  
999 18th Street - Suite 500  
Denver, CO 80202-2466  
Attn: Chuck Williams

8-7-95

RE: Underground Injection Control (UIC)  
Jonah Unit Waterflood  
EPA Area Permit No. UT2642-0000  
Duchesne County, Utah

Dear Mr. Williams,

Equitable Resources Energy Company, Balcron Oil Division received final permit approval for the Jonah Unit Section-6 Waterflood (EPA Area Permit No. UT2642-0000) located in Duchesne County, Utah in January, 1993. Balcron Oil Division is now proposing to convert the following oil production well to water injection:

Balcron Monument Federal #11-7J NW NW Section 7, T9S, R17E

This well falls within the initial area of review investigated under the EPA Area Permit No. UT2642-0000. As stated in Part II Specific Permit Conditions, Section A(2) of the subject permit, the permittee may convert and/or construct additional wells within the permitted area, provided that all additional wells meet all conditions as set forth in the permit. With this letter and the accompanying attachments, Balcron Oil Division is requesting the EPA's approval to convert the above listed well to water injection for secondary oil recovery purposes. This well will be converted to a water injection well according to the attached injection well completion diagram and the EPA Region VIII office will be notified in order that the mechanical integrity test (MIT) can be preformed and witnessed by EPA personnel.

Supporting documents are enclosed which include a well data sheet, a current wellbore completion schematic, a proposed injection well completion diagram, and a proposed plugging and abandonment diagram for the above listed well. The conversion work will be performed as soon as possible and the EPA will be contacted once this work is completed

in order for a date be set up to witness the MIT prior to commencement of injection operations. As outlined in Permit No. UT2642-0000, injection volumes will only be limited by the injection pressure of 2000 psig; however, actual volumes will only be in the 100 - 250 BWPD range. Please don't hesitate to contact me at (406)259-7860 if you have any questions or require additional information.

Respectfully,

A handwritten signature in cursive script that reads "John Zellitti".

John Zellitti  
Senior Production Engineer

Attachments



# PLUGGING AND ABANDONMENT PLAN

NAME AND ADDRESS OF FACILITY

Jonah Unit Waterflood  
10 miles SW of Myton, Utah  
Duchesne County, Utah

NAME AND ADDRESS OF OWNER/OPERATOR

Equitable Resources Energy Company  
Balcron Oil Division  
1601 Lewis Avenue  
Billings, Mt. 59102

LOCATE WELL AND OUTLINE UNIT ON  
SECTION PLAT — 640 ACRES

STATE

Utah

COUNTY

Duchesne County

PERMIT NUMBER

VT 2642-0000

SURFACE LOCATION DESCRIPTION

NW 1/4 OF NW 1/4 OF 1/4 SECTION 7 TOWNSHIP 9S RANGE 17E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface  
Location 681 ft. from (N/S) N Line of quarter section  
and 447 ft. from (E/W) W Line of quarter section

TYPE OF AUTHORIZATION

- ☐ Individual Permit  
☒ Area Permit  
☐ Rule

Number of Wells 27

WELL ACTIVITY

- ☐ CLASS I  
☒ CLASS II  
☐ Brine Disposal  
☒ Enhanced Recovery  
☐ Hydrocarbon Storage  
☐ CLASS III

Lease Name Jonah Unit

Balcron Monument  
Well Number Federal # 11-7 J

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT(LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
8 5/8	24	265'	265'	12 1/4"
5 1/2	15.5	5661'	5661'	7 7/8"

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☒ The Balance Method  
☐ The Dump Bailer Method  
☐ The Two-Plug Method  
☐ Other

CEMENTING TO PLUG AND ABANDON DATA:

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5 1/2"	5 1/2"					
Depth to Bottom of Tubing or Drill Pipe (ft.)	5671' KB						
Sacks of Cement To Be Used (each plug)	260	100					
Slurry Volume To Be Pumped (cu. ft.)	300 ft <sup>3</sup>	115 ft <sup>3</sup>					
Calculated Top of Plug (ft.)	3426' KB	Surface					
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)	15.8	15.8					
Type Cement or Other Material (Class III)	Class - G	Class - G					

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (If any)

From	To	From	To
4784' KB	4787' KB	5075' KB	5079' KB
4790' KB	4796' KB	5089' KB	5094' KB
4926' KB	4928' KB	5112' KB	5114' KB

Estimated Cost to Plug Wells

\$7000 (Rig work & cement)

## CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print)

John Zellitt  
Senior Production Engineer

SIGNATURE

*John Zellitt*

DATE SIGNED

8-9-95



# EQUITABLE RESOURCES

## ENERGY COMPANY

### BALCRON OIL DIVISION

WELL NAME: Balcron Monument Federal #11-7J

FIELD: Monument Butte

FEDERAL LEASE NO.: U-44426

LOCATION: NW NW Sec.7, T9S, R17E

681' FNL & 447' FWL

COUNTY/STATE: Duchesne County, Utah

WORKING INTEREST: 0.805079506

PRODUCING FORMATION: Green River

COMPLETION DATE: 6-14-95

INITIAL PRODUCTION: Not Tested

PRESENT PROD STATUS: Waiting Conversion To Injection.

WATER INJECTION RATE:

ELEVATIONS - GROUND: 5345'

TOTAL DEPTH: 5697' KB

DATE: 8-8-95 JZ

API NO.: 43-013-31492

NET REVENUE INTEREST: 0.73831617 Oil

0.66359285 Gas

OIL GRAVITY: 34 deg

SPUD DATE: 5-24-95

KB: 5355' (10' KB)

PLUG BACK TD: 5671' KB

#### SURFACE CASING

SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 265' (6 jts)  
DEPTH LANDED: 275' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs class "G" + 2% CCI +  
1/4#/sk celloflake

#### TUBING RECORD

	Length	Setting Depth w/ 10' KB
149 Jnts 2 7/8", J-55, 6.5# Tubing	4668.33'	4678.33'
2 7/8" Seating Nipple	1.10'	4679.43'
2 3/8" x 2 7/8" Cross Over	0.75'	4680.18'
Arrow Set-1 Packer	6.20'	4686.38'

Total String Length: 4676.38'

Packer Landed: 4686.38' KB

Arrow Set-1 Packer set w/13" tension on 6-14-95.

Packer Fluid: 55 gals Champion Cortcon-2383 mixed w/ 75 STB 2 % KCl water.

SN @ 2 7/8" x 2.25" ID

Logs: Dual Laterolog, Compensated Neutron Litho-Density,  
Cement Bond Log.

#### PRODUCTION CASING

SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5660.72 (143 jts)  
DEPTH LANDED: 5671' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A +  
17# CSE)/sk + 3% salt + 2% gel + 1/4 #/sk celloseal,  
tail w/ 232 sk 50-50 POZ + 2% gel + 1/4 #/sk  
celloseal + 2 #/sk HiSeal 2  
CEMENT TOP AT: 110' KB from CBL.

#### PERFORATION RECORD

6-12-95	Schlumberger	4784'- 87' 2 SPF (.38") 3 ft 6 holes
		4790'- 96' 2 SPF (.38") 6 ft 12 holes
		4926'- 28' 2 SPF (.38") 2 ft 4 holes
6-8-95	Schlumberger	5075'- 79' 4 SPF (.38") 4 ft 16 holes
		5089'- 94' 4 SPF (.38") 5 ft 20 holes
		5112'- 14' 4 SPF (.38") 2 ft 8 holes

#### ACID JOB / BREAKDOWN JOB

6-8-95	BJ/Western	5075'- 5114' : 2982 gals 2% KCl wtr w/ 100 balls, ATR 4.0 bpm, ATP 2600 psig, ISIP 1850 psig.
6-12-95	BJ/Western	4784'- 4796' : 2058 gals 2% KCl wtr w/ 2 balls/bbl, ATR 4.5 bpm, ATP 2200 psig, ISIP 1350 psig.
6-12-95	BJ/Western	4926'- 4928' : 1596 gals 2% KCl wtr w/ 2 balls/bbl, ATR 3.1 bpm, ATP 4000 psig, ISIP 1950 psig.

#### FRAC JOB

6-8-95	BJ/Western	5075' - 5114' : 12,684 gals 2% KCl wtr w/ 27,660 lbs 16-30 mesh sand, ATR 34.5 bpm, ATP 2400 psig, ISIP 2300 psig, 15 min 2060 psig.
6-12-95	BJ/Western	4784' - 4928' : 15,162 gals 2% KCl wtr w/ 22,200 lbs 16-30 mesh sand, ATR 35.1 bpm, ATP 3400 psig, ISIP 2150 psig, 15 min 1660 psig.



# EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

Balcron Monument Federal #11-7J  
681' FNL & 447' FWL  
NW NW Sec.7, T9S, R17E  
Lease No. U-44426  
Monument Butte Field  
Duchesne County, Utah

Elev. - 5345' GL  
Elev. - 5355' KB

## WELLBORE DIAGRAM

DATE: 8-8-95 JZ

### SURFACE CASING

SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 265' (6 jts)  
DEPTH LANDED: 275' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs class "G" + 2% CCI +  
1/4#/sk celloflake

275' KB

### PRODUCTION CASING

SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5660.72 (143 jts)  
DEPTH LANDED: 5671' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A +  
17# CSE)/sk + 3% salt + 2% gel + 1/4 #/sk celloseal,  
tail w/ 232 sk 50-50 POZ + 2% gel + 1/4 #/sk  
celloseal + 2 #/sk HiSeal 2  
CEMENT TOP AT: 110' KB from CBL.

### TUBING RECORD

	Length	Setting Depth w/ 10' KB
149 jnts 2 7/8", J-55, 6.5# Tbg	4668.33'	4678.33'
2 7/8" Seating Nipple	1.10'	4679.43'
2 3/8" x 2 7/8" Cross Over	0.75'	4680.18'
Arrow Set-1 Packer	6.20'	4686.38'

Total String Length: 4676.38'  
Packer Landed: 4686.38' KB

Arrow Set-1 Packer set w/13" tension on 6-14-95.

Packer Fluid: 55 gals Champion Cortron-2383 mixed  
w/ 75 STB 2 % KCl water.

SN @ 2 7/8" x 2.25" ID

Logs: Dual Laterolog, Compensated Neutron Litho-Density,  
Cement Bond Log.

### ACID JOB / BREAKDOWN JOB

6-8-95 BJ/Western 5075'- 5114' : 2982 gals 2% KCl wtr w/ 100 balls,  
ATR 4.0 bpm, ATP 2600 psig, ISIP 1850 psig.  
6-12-95 BJ/Western 4784'- 4796' : 2058 gals 2% KCl wtr w/ 2 balls/bbl,  
ATR 4.5 bpm, ATP 2200 psig, ISIP 1350 psig.  
6-12-95 BJ/Western 4926'- 4928' : 1596 gals 2% KCl wtr w/ 2 balls/bbl,  
ATR 3.1 bpm, ATP 4000 psig, ISIP 1950 psig.

### FRAC JOB

6-8-95 BJ/Western 5075' - 5114' : 12,684 gals 2% KCl wtr w/ 27,660 lbs  
16-30 mesh sand, ATR 34.5 bpm, ATP 2400 psig,  
ISIP 2300 psig, 15 min 2060 psig.  
6-12-95 BJ/Western 4784' - 4928' : 15,162 gals 2% KCl wtr w/ 22,200 lbs  
16-30 mesh sand, ATR 35.1 bpm, ATP 3400 psig,  
ISIP 2150 psig, 15 min 1660 psig.

### PERFORATION RECORD

6-12-95 Schlumberger 4784'- 87' 2 SPF (.38") 3 ft 6 holes  
4790'- 96' 2 SPF (.38") 6 ft 12 holes  
4926'- 28' 2 SPF (.38") 2 ft 4 holes  
6-8-95 Schlumberger 5075'- 79' 4 SPF (.38") 4 ft 16 holes  
5089'- 94' 4 SPF (.38") 5 ft 20 holes  
5112'- 14' 4 SPF (.38") 2 ft 8 holes

Retrievable Casing Packer @ 4686' KB

4784'- 4928' KB

5075'- 5114' KB

PBTD @ 5734' KB  
TD @ 5800' KB



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**  
BALCRON OIL DIVISION

Balcron Monument Federal #11-7J  
NW NW Sec.7, T9S, R17E  
681' FNL & 447' FWL  
Lease No. U-44426  
Monument Butte Field  
Duchesne County, Utah

**PROPOSED INJECTION WELL COMPLETION DIAGRAM**

Elev. - 5345' GL  
Elev. - 5355' KB (10' KB)

DATE: 8-8-95 JZ

**SURFACE CASING**

SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 265' (6 jts)  
DEPTH LANDED: 275' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs class "G" + 2% CCI +  
1/4#/sk celloflake

275' KB

**PERFORATION RECORD**

6-12-95	Schlumberger	4784'- 87'	2 SPF (.38")	3 ft	6 holes
		4790'- 96'	2 SPF (.38")	6 ft	12 holes
		4926'- 28'	2 SPF (.38")	2 ft	4 holes
6-8-95	Schlumberger	5075'- 79'	4 SPF (.38")	4 ft	16 holes
		5089'- 94'	4 SPF (.38")	5 ft	20 holes
		5112'- 14'	4 SPF (.38")	2 ft	8 holes

**PRODUCTION CASING**

SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5660.72 (143 jts)  
DEPTH LANDED: 5671' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A +  
17# CSE)/sk + 3% salt + 2% gel + 1/4 #/sk celloseal,  
tail w/ 232 sk 50-50 POZ + 2% gel + 1/4 #/sk  
celloseal + 2 #/sk HiSeal 2  
CEMENT TOP AT: 110' KB from CBL.

- Uinta Formation @ Surface to 1400'

- Green River Formation @ 1400'- 4100'

- Douglas Creek Member @ 4100'- 5350'

RETRIEVABLE CASING PACKER @ 4686' KB

**TUBING RECORD**

SIZE / GRADE / WEIGHT: 2-7/8", J-55, 6.5#  
SEAT NIPPLE: 2-7/8" X 1.1"  
SN LANDED @ 4679' KB  
RETRIEVABLE CSG PACKER  
MODEL: Arrow Set-1  
PACKER LANDED @ 4686' KB

4784' - 4928' KB

5075' - 5114' KB

- Wasatch Formation Transition @ 5350'- 6000'

PBTD @ 5671' KB  
TD @ 5697' KB

- Wasatch Formation @ 6000'



# EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

Balcron Monument Federal #11-7J  
NW NW Sec.7, T6S, R17E  
681' FNL & 447' FWL  
Lease No. U-44426  
Monument Butte Field  
Duchesne County, Utah

## PROPOSED PLUGGING & ABANDONMENT DIAGRAM

Elev. - 5345' GL  
Elev. - 5355' KB (10' KB)

DATE: 8-8-95 JZ

### SURFACE CASING

SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 265' (6 jts)  
DEPTH LANDED: 275' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs class "G" + 2% CCI +  
1/4#/sk celloflake

275' KB

Permanent P&A marker identifying well information

**PLUG #2 SURFACE to 350 ft**  
Perforate csg at 100 ft below  
the surface csg shoe & circulate  
100 sx of Class-G Cement to surface.

- Uinta Formation @ Surface to 1400'

- Green River Formation @ 1400'- 4100'

### PRODUCTION CASING

SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5680.72 (143 jts)  
DEPTH LANDED: 5671' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A +  
17# CSE)/sk + 3% salt + 2% gel + 1/4 #/sk celloseal,  
tail w/ 232 sk 50-50 POZ + 2% gel + 1/4 #/sk  
celloseal + 2 #/sk HiSeal 2  
CEMENT TOP AT: 110' KB from CBL.

### PERFORATION RECORD

6-12-95	Schlumberger	4784'- 87"	2 SPF (.38")	3 ft	6 holes
		4790'- 96"	2 SPF (.38")	6 ft	12 holes
		4926'- 28"	2 SPF (.38")	2 ft	4 holes
6-8-95	Schlumberger	5075'- 79"	4 SPF (.38")	4 ft	16 holes
		5089'- 94"	4 SPF (.38")	5 ft	20 holes
		5112'- 14"	4 SPF (.38")	2 ft	8 holes

- Douglas Creek Member @ 4100'- 5350'

**PLUG #1 TD to 3800 ft**  
260 sx of Class-G Cement

4784' - 4928' KB

5075' - 5114' KB

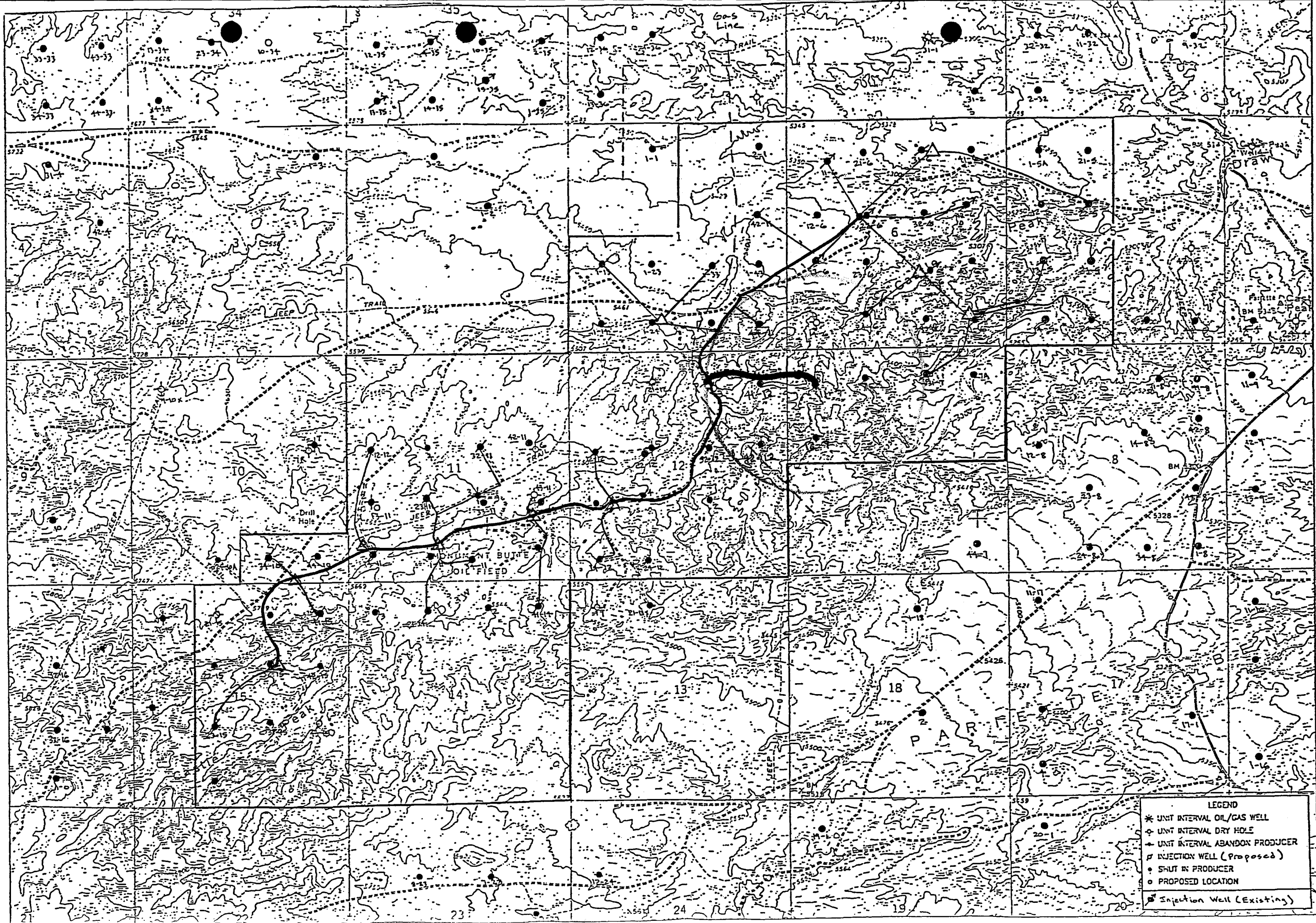
- Wasatch Formation Transition @ 5350'- 6000'

PBTD @ 5671' KB  
TD @ 5697' KB

- Wasatch Formation @ 6000'

### PLUGGING PROCEDURE

Enter the well w/ tbg and wash to TD. If the well is not dead, circulate mud with sufficient weight to kill the well. Pump a balanced cement plug using 260 sacks across the Douglas Creek Member of the Green River Formation from TD to at least 300 ft above the upper most perms. The production csg will be perforated for two feet using 4 SPF at a point 100 ft below the surface casing shoe. Circulation will be established to surface and cement will be circulated to fill the production casing and the annulus from the perforations to surface using 100 sacks class-G cement. The top of the second cement plug will be at the surface.



LEGEND	
* UNIT INTERVAL OIL/GAS WELL	
⊕ UNIT INTERVAL DRY HOLE	
⊙ UNIT INTERVAL ABANDON PRODUCER	
⊕ INJECTION WELL (PROPOSED)	
• SHUT-IN PRODUCER	
○ PROPOSED LOCATION	
⊕ INJECTION WELL (EXISTING)	

Figure - 1    Δ    Injection Manifolds

— Injection Lines

— Proposed Water Injection Line  
For BMF #11-7J

EREC Balcon Oil Division  
Topographic Map  
Water Injection System  
Jonah Unit  
Monument Butte Field  
12





**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

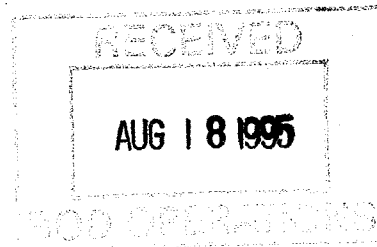
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☐

August 18, 1995

Bureau of Land Management  
P.O. Box 45155  
324 South State Street, Suite 301  
Salt Lake City, Utah 84145-0155



Attention: Mr. Robert Henricks  
Chief, Bureau of Fluid Minerals

Re: Application for Injection Well (UIC Form I)

Dear Mr. Henricks:

Equitable Resources Energy Company, Balcron Oil Division, as operator of the Balcron Monument Federal #11-7J well, is required to send a copy of UIC form I to all operators, owners and surface owners within a one-half mile radius of the proposed injection well.

Attached is a copy of our Application for Injection well (UIC Form I). The Utah Bureau of Land Management has an interest in the federal leases situated within the confines of the Jonah Unit, as indicated on the plat that accompanies this letter. This letter will serve as notification of our intentions to use the Balcron Monument Federal # 11-7J as an injection well within the confines of the Jonah Unit.

Please contact the undersigned if you have any comments or questions about this notification.

Sincerely,

D. Gary Kabeary, CPL/ESA  
Senior Landman

Enclosure

cc: Bobbie Schuman  
Jonah Unit File





**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

August 21, 1995

AUG 23 1995

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180

Dear Mr. Jarvis:

Enclosed is the Affidavit of mailing notice regarding our notice of intent to convert the Balcron Monument Federal #11-7J to injection. This was sent to all operators, owners, and surface owners within a one-half mile radius. A copy of the letter is also enclosed.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosure

AFFIDAVIT

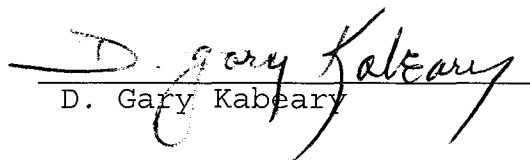
COUNTY OF YELLOWSTONE )

STATE OF MONTANA )

D. Gary Kabeary, Senior Landman for Equitable Resources Energy Company, Balcron Oil Division, being first duly sworn on oath, deposes and says that on the 18th day of August 1995, he did cause to be mailed to all operators, owners and surface owners within a one-half mile radius of the proposed injection wells listed below, a copy of the State Application for Injection Well (UIC Form 1).

Balcron Monument Federal #11-7J NWNW of 7, T9S-R17E  
Duchesne County, Utah

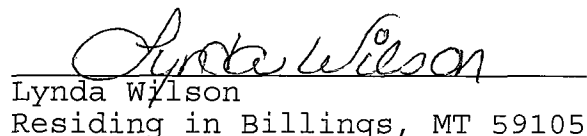
Further affiant saith not.

  
D. Gary Kabeary

Subscribed and sworn to before me on this 18<sup>th</sup> day of  
August, 1995.

My Commission Expires:

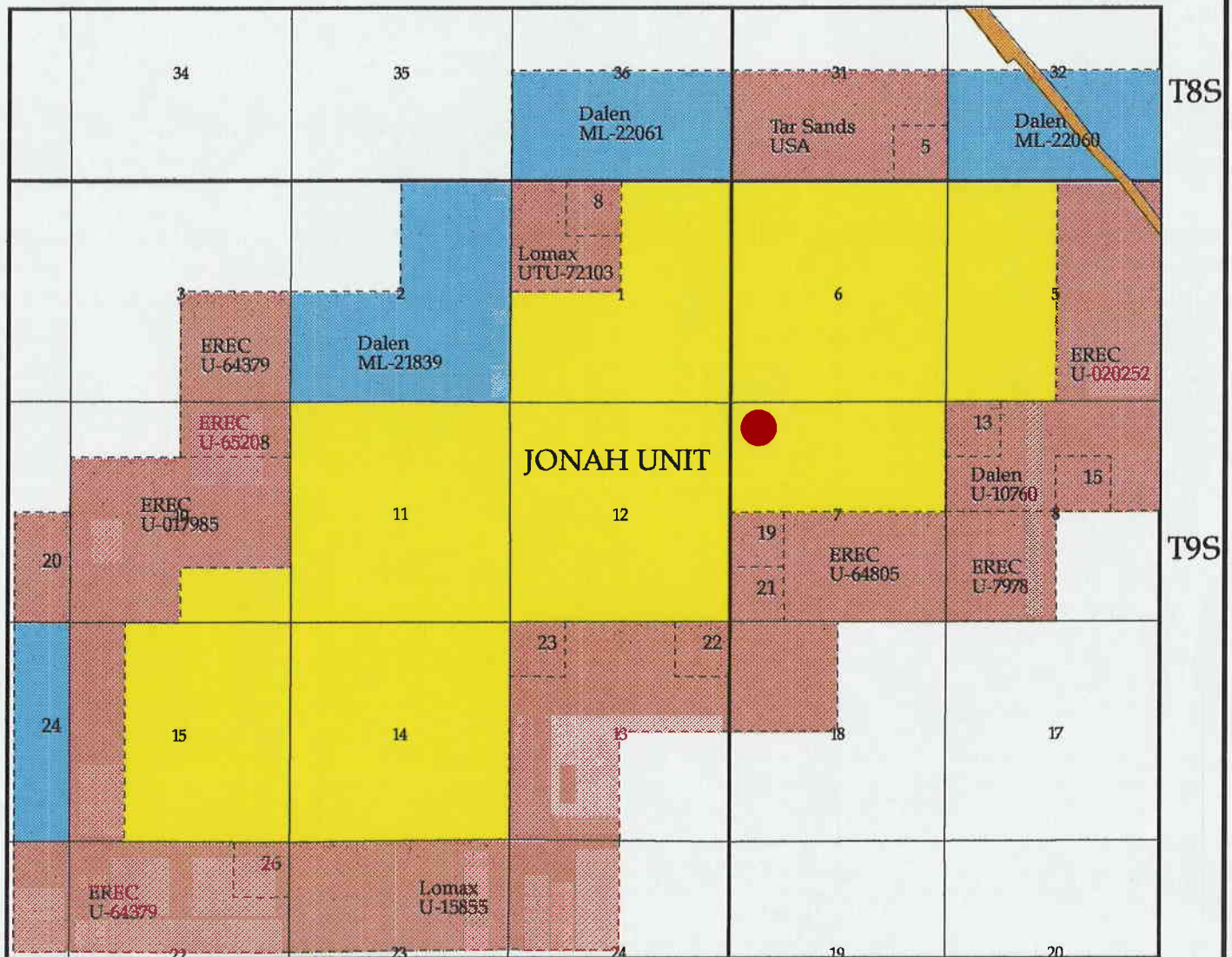
11-18-98

  
Lynda Wilson  
Residing in Billings, MT 59105





S E A L

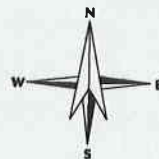
R16E

R17E



- |                         |                        |
|-------------------------|------------------------|
| 5 Wild Rose<br>U-020433 | 24 Celsius<br>ML-16532 |
| 8 Dalen<br>UTU-72104    | 26 J.Chasel<br>U-65209 |
| 13 EREC<br>U-72105      |                        |
| 15 F. Lieber<br>U-10760 |                        |
| 19 EREC<br>U-72105      |                        |
| 20 EREC<br>U-40894      |                        |
| 21 EREC<br>U-64381      |                        |
| 22 EREC<br>U-72105      |                        |
| 23 EREC<br>U-72105      |                        |

- |   |
|---|
|  State Surface                     |
|  Federal Surface                   |
|  Jonah Unit                        |
|  Fee Surface Patented Mining Claim |



Equitable Resources Energy Company

**Balcron Oil****Surface Ownership  
Operator Map**

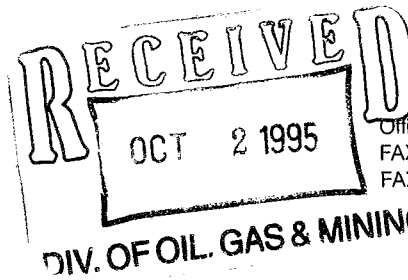
Duchesne County, Utah  
August 17, 1995  
Scale 1:48000



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102



Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

September 28, 1995

-- CERTIFIED, RETURN RECEIPT REQUESTED --

Mr. Chuck Williams (8WM-DW)  
U.S. Environmental Protection Agency  
Region VIII  
999 - 18th Street, Suite 500  
Denver, CO 80202-2466

Dear Mr. Williams:

RE: Balcron Monument Federal #11-7J  
NW NW Section 7, T9S, R17E  
Duchesne County, Utah

43.013.31492

Our Application to convert the referenced well to injection under the Jonah Unit Section 6 Waterflood EPA Area Permit #UT2642-0000 was submitted to you August 10, 1995. That was more than 30 days ago and to date we have not had a response to that request.

In the past, it has taken as little as two weeks to approve such an action under an existing permit. I would appreciate it if you would please give us an indication of when we might receive approval of this Application.

Thank you.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

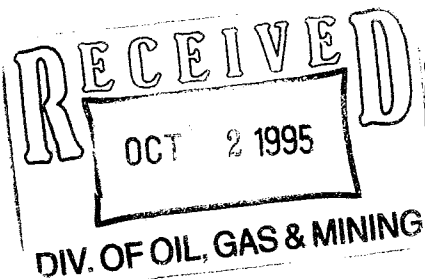
cc: R.J. Firth, Utah Division of Oil, Gas and Mining  
Dan Jarvis, Utah Division of Oil, Gas and Mining (UIC)



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

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September 28, 1995

-- CERTIFIED, RETURN RECEIPT REQUESTED --

Mr. Chuck Williams (8WM-DW)  
U.S. Environmental Protection Agency  
Region VIII  
999 - 18th Street, Suite 500  
Denver, CO 80202-2466

Dear Mr. Williams:

RE: Section 2 Waterflood UIC Permit Application

Our Application to Permit the Section 2 Waterflood was submitted to your office July 26, 1995, with additional information being supplied on August 3 and August 7.

I would appreciate it if you would please give us an indication of when we might receive approval of this Application.

Thank you.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

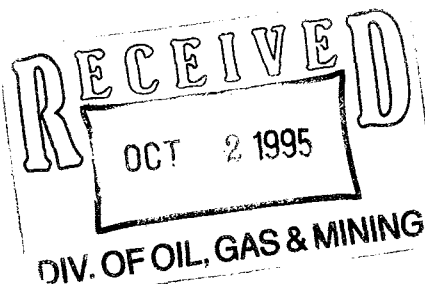
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**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

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September 28, 1995

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U.S. Environmental Protection Agency  
Region VIII  
999 - 18th Street, Suite 500  
Denver, CO 80202-2466

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NW NW Section 7, T9S, R17E  
Duchesne County, Utah

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Thank you.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

cc: R.J. Firth, Utah Division of Oil, Gas and Mining  
Dan Jarvis, Utah Division of Oil, Gas and Mining (UIC)

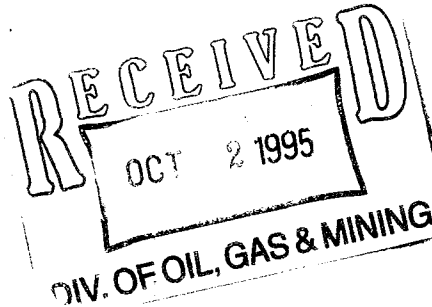




**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102



Office: (406) 259-7860  
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September 28, 1995

-- CERTIFIED, RETURN RECEIPT REQUESTED --

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U.S. Environmental Protection Agency  
Region VIII  
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Denver, CO 80202-2466

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Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

cc: R.J. Firth, Utah Division of Oil, Gas and Mining  
Dan Jarvis, Utah Division of Oil, Gas and Mining (UIC)

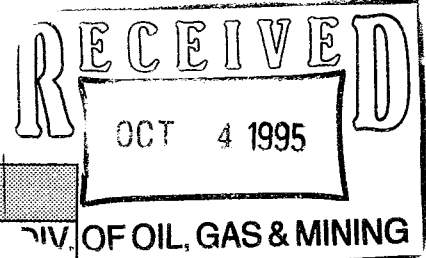
143 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation  
The Salt Lake Tribune (NA) DESERET NEWS

CUSTOMER'S  
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	D5385340L-07	09/29/95



ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL9Q8200201
SCHEDULE	
START 09/29/95 END 09/29/95	
CUST. REF. NO.	
UIC-165	
CAPTION	
NOTICE OF AGENCY ACTION CAUSE N	
SIZE	
72 LINES 1.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	118.08
TOTAL COST	
118.08	

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-165  
BEFORE THE DIVISION OF  
OIL, GAS AND MINING  
DEPARTMENT OF NATURAL  
RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF EQUITABLE RESOURCES ENERGY COMPANY FOR ADMINISTRATIVE APPROVAL OF THE MONUMENT FEDERAL 11-7J WELLS LOCATED IN SECTION 7, TOWNSHIP 9 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resource Energy Company for administrative approval of the Monument Federal 11-7J wells located in Section 7, Township 9 South, Range 17 East, Duchesne County, Utah, for conversion to Class II Injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 4784 feet to 5144 feet (Green River Formation) will be selectively perforated for water injection. The maximum requested injection pressure will be limited to 2000 psig with a maximum rate of 300 BWPD.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 21st day of September, 1995.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
/s/ R.J. Fifth  
Associate Director, Oil & Gas  
9Q820020

AFFIDAVIT OF PUBLICATION

NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED  
ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE N FOR  
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PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED  
SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 09/29/95 END 09/29/95

SIGNATURE *Joanne Monev*

DATE 09/29/95

NOTARY PUBLIC  
JOANNE MONEV  
2625 Hartford St.  
Salt Lake City, Utah 84106  
My Commission Expires  
March 31, 1996  
STATE OF UTAH

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT.

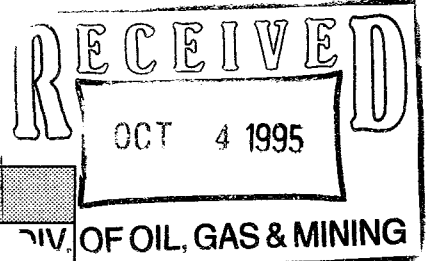
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DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180		D5385340L-07 09/29/95
ACCOUNT NAME		
DIV OF OIL, GAS & MINING		
TELEPHONE	INVOICE NUMBER	
801-538-5340	TL9Q8200201	
SCHEDULE		
START 09/29/95 END 09/29/95		
CUST. REF. NO.		
UIC-165		
CAPTION		
NOTICE OF AGENCY ACTIONCAUSE N		
SIZE		
72 LINES 1.00 COLUMN		
TIMES	RATE	
1	1.64	
MISC. CHARGES	AD CHARGES	
.00	118.08	
TOTAL COST		
118.08		



AFFIDAVIT OF PUBLICATION

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IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 09/29/95 END 09/29/95

SIGNATURE

*Joanne Mounsey*

DATE 09/29/95



NOTARY PUBLIC  
JOANNE MOUNSEY  
2628 Hartford St.  
Salt Lake City, Utah 84106  
My Commission Expires  
March 31, 1996  
STATE OF UTAH

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DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	D5385340L-07	09/29/95

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL9Q8200301
SCHEDULE	
START 09/29/95 END 09/29/95	
CUST. REF. NO.	
UIC-164	
CAPTION	
NOTICE OF AGENCY ACTION CAUSE N	
SIZE	
71 LINES 1.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	116.44
TOTAL COST	
116.44	

RECEIVED  
OCT 4 1995  
DIV OF OIL, GAS & MINING

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-164  
BEFORE THE DIVISION OF  
OIL, GAS AND MINING  
DEPARTMENT OF NATURAL  
RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF CHANDLER & ASSOCIATES, INC. FOR ADMINISTRATIVE APPROVAL OF THE FEDERAL 31-30 AND FEDERAL 12-16 WELLS LOCATED IN SECTIONS 30 AND 16, TOWNSHIP 8 SOUTH, RANGE 22 EAST, UTAH COUNTY, UTAH, A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Chandler & Associates, Inc. for administrative approval of the Federal 31-30 and Federal 12-16 wells, located in Sections 30 and 16, Township 8 South, Range 22 East, Utah County, Utah, for conversion to Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures.

The interval from 4746 feet to 4764 feet (Glen Bench Zone of the Green River Formation) will be selectively perforated for water injection. The maximum requested injection pressure will be limited to 942 psig.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate or file hearing how this matter affects their interests.

DATED this 21st day of September, 1995.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
/s/ R.J. Firth  
Associate Director, Oil & Gas  
96820030

AFFIDAVIT OF PUBLICATION

NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED  
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DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY  
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PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED  
SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

DATED this 21st day of September, 1995. START 09/29/95 END 09/29/95

SIGNATURE Joanne Mooney  
DATE 09/29/95

NOTARY PUBLIC  
JOANNE MOONEY  
2626 Hartford St.  
Salt Lake City, UT 84106  
My Commission Expires  
March 31, 1996  
STATE OF UTAH

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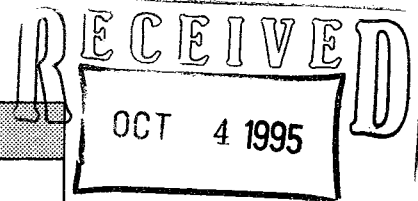
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P.O. BOX 45838  
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CUSTOMER'S  
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS		ACCOUNT NUMBER	
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180		D5385340L-07	09/29/95
ACCOUNT NAME			
DIV OF OIL, GAS & MINING			
TELEPHONE		INVOICE NUMBER	
801-538-5340		TL9Q8200301	
SCHEDULE			
START 09/29/95 END 09/29/95			
CUST. REF. NO.			
UIC-164			
CAPTION			
NOTICE OF AGENCY ACTIONCAUSE N			
SIZE			
71 LINES 1.00 COLUMN			
TIMES		RATE	
1		1.64	
MISC. CHARGES		AD CHARGES	
.00		116.44	
		TOTAL COST	
		116.44	



AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTIONCAUSE N FOR  
DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 09/29/95 END 09/29/95

SIGNATURE

*Joanne Mooney*

DATE 09/29/95



NOTARY PUBLIC  
JOANNE MOONEY  
2626 Hartford St.  
Salt Lake City, Utah 84106  
My Commission Expires  
March 31, 1996  
STATE OF UTAH

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT.

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	
OF EQUITABLE RESOURCES ENERGY	:	NOTICE OF AGENCY ACTION
COMPANY FOR ADMINISTRATIVE	:	
APPROVAL OF THE MONUMENT FEDERAL	:	CAUSE NO. UIC-165
11-7J WELL LOCATED IN SECTION 7,	:	
TOWNSHIP 9 SOUTH, RANGE 17 EAST,	:	
S.L.M., DUCHESNE COUNTY, UTAH, AS	:	
A CLASS II INJECTION WELL	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

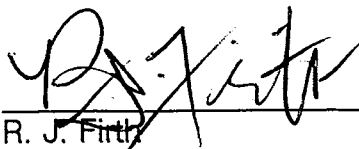
Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company for administrative approval of the Monument Federal 11-7J well, located in Section 7, Township 9 South, Range 17 East, Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 4784 feet to 5114 feet (Green River Formation) will be selectively perforated for water injection. The maximum requested injection pressure will be limited to 2000 psig with a maximum rate of 300 BWPD.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 21st day of September, 1995.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



R. J. Firth

Associate Director, Oil & Gas



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

September 21, 1995

Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-165

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisha Cordova  
Administrative Analyst

Enclosure





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

September 21, 1995

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Re: Notice of Agency Action - Cause No. UIC-165

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisha Cordova  
Administrative Analyst

Enclosure





**Equitable Resources Energy Company  
Monument Federal 11-7J Well  
Cause No. UIC-165**

Publication Notices were sent to the following:

Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078

Equitable Resources Energy Company  
P. O. Box 21017  
Billings, Montana 59104

U.S. Environmental Protection Agency  
Region VIII  
Attn. Tom Pike  
999 18th Street  
Denver, Colorado 80202-2466



---

Lisha Cordova  
Administrative Analyst  
September 21, 1995

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT  
DECISION DOCUMENT**

**Applicant:** Equitable Oil      **Location:** Jonah Unit

**Wells:** Federal 11-7J

**Ownership Issues:** The proposed well is located in section 7, township 9 south, range 17 east, Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. The well is located on federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. Balcron Oil has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

**Well Integrity:** The well proposed for conversion to injection has surface casing set at 275 feet, and was cemented to surface. Production casing was set at a depth of 5671 feet, and has a cement top at 110 feet, verified by a cement bond log. The interval from 4784-5114 feet (Green River Formation) will be perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 4 producing wells and 4 injection wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

**Ground Water Protection:** The base of moderately saline water in the area of the project is at a depth of approximately 300-500 feet. The injection well and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field is .861 psi/ft resulting in a maximum allowed surface pressure of 2000 psi. Injection pressures for each of the injectors will be maintained below the fracture pressure so as not to initiate fractures in the overlying strata. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

**Oil/Gas & Other Mineral Resources Protection:** Balcron is the operator of the Jonah Unit. A unit agreement was previously formed, correlative rights issues were addressed before the Board of Oil, Gas and Mining when the matter was heard.

**Bonding:** Balcron is the operator of all wells within the project and is bonded by the Federal Government.

**Actions Taken and Further Approvals Needed:** This application is for a well in an existing waterflood unit, previously supplied data and information along with newly submitted data supports a decision to approve the wells for conversion to injection. A public notice will be published in both the Salt Lake Tribune and the Uinta Basin Standard. The applications for the injection wells are technically complete. A casing pressure test needs to be conducted when the well is converted and a casing\tubing pressure test run prior to injection. The casing tubing annulus needs to be pressured to 1000 psi. Following the 15 day comment period if no objections are received it is recommended to issue both an approval to convert the well and an injection permit. There are no special conditions or stipulations and the permit should be granted in accordance with the conditions set forth in the application.

DJJ  
Reviewers

09-25-95  
Date



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

October 24, 1995

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Re: Monument Federal 11-7J Well, Section 7, Township 9 South, Range 17 East,  
Duchesne County, Utah

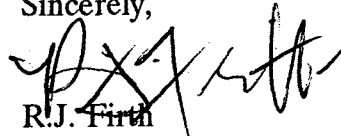
Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Equitable Resources Energy Company ("Equitable").

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

  
R.J. Firth  
Associate Director

cc: Debra G. Ehlert, Environmental Protection Agency  
Bureau of Land Management, Vernal





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-165

**Operator:** Equitable Resources Energy Company  
**Well:** Monument Federal 11-7J  
**Location:** Section 7, Township 9 South, Range 17 East,  
Duchesne County  
**API No.:** 43-013-31492  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to injection well issued on October 24, 1995.
2. Maximum Allowable Injection Pressure: 2000 psig.
3. Maximum Allowable Injection Rate: 300 bwpd.
4. Injection Interval: 4,784 feet to 5114 feet (Green River Formation)

Approved by:

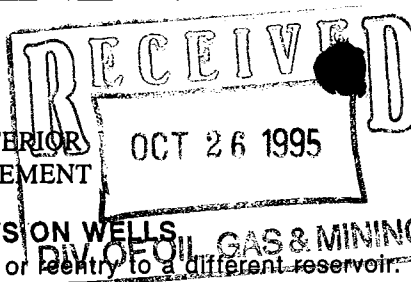
R.J. Farth  
Associate Director, Oil and Gas

10/24/95

Date



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or to enter to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other injection

2. Name of Operator  
**Equitable Resources Energy Company, Balcron Oil Division**

3. Address and Telephone No.  
**1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NW NW Section 7, T9S, R17E  
681' FNL, 447' FWL**

5. Lease Designation and Serial No.  
**U-44426**

6. If Indian, Allottee or Tribe Name  
**n/a**

7. If Unit or CA, Agreement Designation  
**Jonah Unit**

8. Well Name and No.  
**Balcron Monument Fed. #11-7J**

9. API Well No.  
**43-013-31492**

10. Field and Pool, or Exploratory Area  
**Monument Butte/Green River**

11. County or Parish, State  
**Duchesne County, UT**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other archy/paleo reports
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached are copies of the archaeological and paleontological reports which were prepared for the water line for this well.

**CONFIDENTIAL**

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil, Gas and Mining

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman  
Bobbie Schuman

Title Regulatory and Environmental Specialist

Date October 24, 1995

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_ Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

BALCRON OIL  
MONUMENT BUTTE  
LATERAL WATER LINE TO  
BALCRON MONUMENT FEDERAL #11-7J  
NWNW SECTION 11, 9S, R16E,  
SLB&M  
DUCHESNE COUNTY, UTAH

PALEONTOLOGY REPORT

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
235 EAST MAIN  
VERNAL, UTAH 84078

OCTOBER 16, 1995

1

RESULTS OF A PALEONTOLOGY SURVEY ON THE LATERAL WATER LINE TO BALCRON MONUMENT  
FEDERAL 11-7J, NWNW SECTION 11, T9S, R16E, DUCHESNE COUNTY, UTAH.

Description of Geology and Topography

The geological formation exposed at the surface in the study area is the Upper Eocene Uinta Formation. Environments of deposition vary from lacustrine to fluvial. The Uinta Formation is ranked number one on the vertebrate fossil list of paleontological sensitive strata in Utah by the State Paleontologist. It is also listed number 15 on the invertebrate list and number 4 on the trace fossil list. More than 70 genera of fish, reptiles and mammals are known from the Uinta Formation. The mammalian fauna from the Uinta Formation is the basis for the designation of the Uintan North American Land Mammal Age.

The most common vertebrate fossils from the Uinta Formation are turtles. In some areas numerous turtles can be seen eroding out of the formation. Because they are so numerous, their protection is not quite as critical as protection of fossil mammals when they are encountered in the formation. However, the presence of turtles indicates that the environment was right for fossilization, and quite often, fossil mammal material is found associated with fossil turtle shells. Therefore, the potential for finding fossil mammal bones is fairly high where there are abundant turtles.

Balcron Monument Federal #11-7J is located in Castle Peak Draw approximately 10 miles south of Myton, Utah. Rocks in the area are made up of layers of mudstone and sandstone. The proposed pipeline runs northwest up out of Castle peak Draw from 11-7J, then west to 41-12J.

Paleontological material found -

No new fossils were found during the current survey. However a fossil site (42DC201V) was identified during the survey of the access road to well 11-7J. Originally, the road to #11-7J was moved slightly east to avoid this site. Subsequently, it appears that a caterpillar was unloaded there and the site was partially damaged.

Recommendations

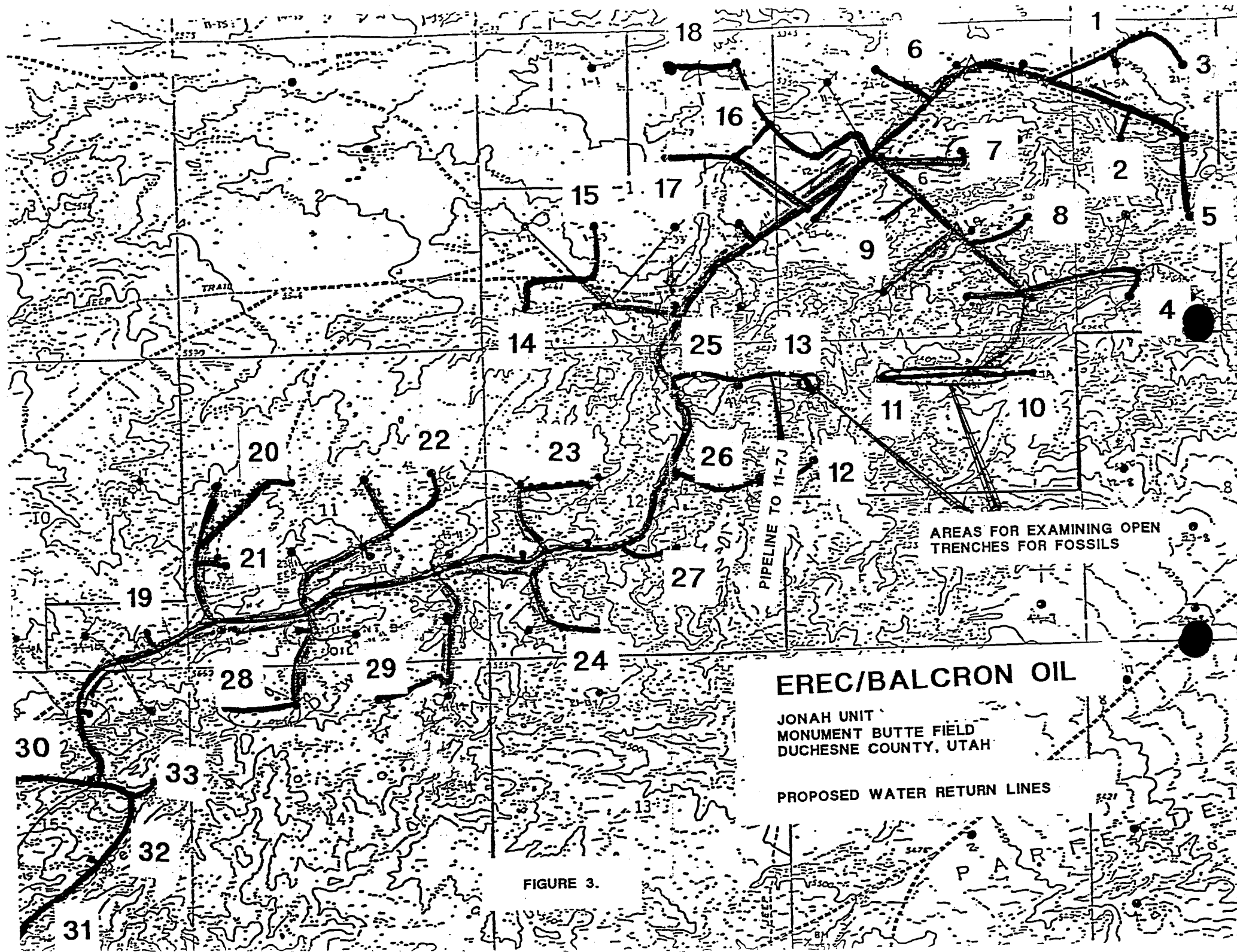
It is recommended that after the trench has been opened through this site, that the trench and spoil pile be examined by a paleontologist for fossil material.

There is always the possibility of encountering significant fossil material when ever working in the Uinta Formation. If significant looking fossil bone material is found during construction, a paleontologist should be called to evaluate it.

Adrian B. Humphreys  
PALEONTOLOGIST

October 16, 1995  
DATE





## PALEONTOLOGY LOCALITY

## Data Sheet

Page 1 of 1 plus map

State Local. No. 42 DC201V

Agency No. BALCRON MONUMENT BUTTE

Temp. No FEDERAL #11-7J

1. Type of locality  
Invertebrate

Plant

Vertebrate

X

Trace

Other \_\_\_\_\_

2. Formation: UINTA

Horizon: Lower (B)

Geologic Age: Late Eocene

3. Description of Geology and Topography: The well is located in Castle Peak Draw. The proposed access road leaves a dry hole and runs south .3 mile to the proposed wellpad. Rocks in the area are made up of layers of mudstone and sandstone. The wellpad sits on the east side on a small ridge between this ridge and Castle Peak Wash.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

4. Location of Outcrop: 10 miles south of Myton, Utah.

5. Map Ref.

USGS Quad

Myton SE, Utah

Scale

7.5

Min

Edition

1964

SW1/4&  
NW1/4of  
ofSW1/4  
NW1/4of  
ofSW1/4  
NW1/4of Sectn  
of Sectn6  
7

T

9

S

R

16E

Meridn

SLB

6. State: UTAH

County: DUCHESNE COUNTY

BLM/FS District: VERNAL- DIAMOND MT.

7. Specimens Collected and Field Accession No. NONE

8. Repository:

9. Specimens Observed and Disposition: Two turtle sites were found along the proposed access road. One (A) is off the road alignment enough to be missed. The other (B) is around a small mound of reddish sandstone and mudstone in the flat area northwest of the well location. The road alignment as staked passes through this mound.

10. Owner:  
Private

State

BLM

X

US  
FS

NPS

IND

MIL

OTHR

11. Recommendations for Further Work or Mitigation: It is recommended that the road be curved enough to the east as it approaches the mound with turtle shell material (B) so that it will pass it.

12. Type of Map Made by Recorder:

13. Disposition of Photo Negatives:

14. Published References: Hamblin, A. H., 1992, Paleontology Report on the Monument Butte EA Study Area, for Mariah Associates, Laramie, Wyoming.  
Hamblin, A. H., 1994, Paleontology Report on the Monument Butte Expansion EA Study area, for Mariah Associates, Laramie, Wyoming.  
Hamblin, A. H., 1987, Paleogeography and paleontology of the Myton Pocket, Uinta Basin, Utah (Uinta Formation - Upper Eocene): BYU Geology Studies vol. 34, no. 1, p. 33-60.

15. Remarks:

16. Sensitivity:

Critical

Significant

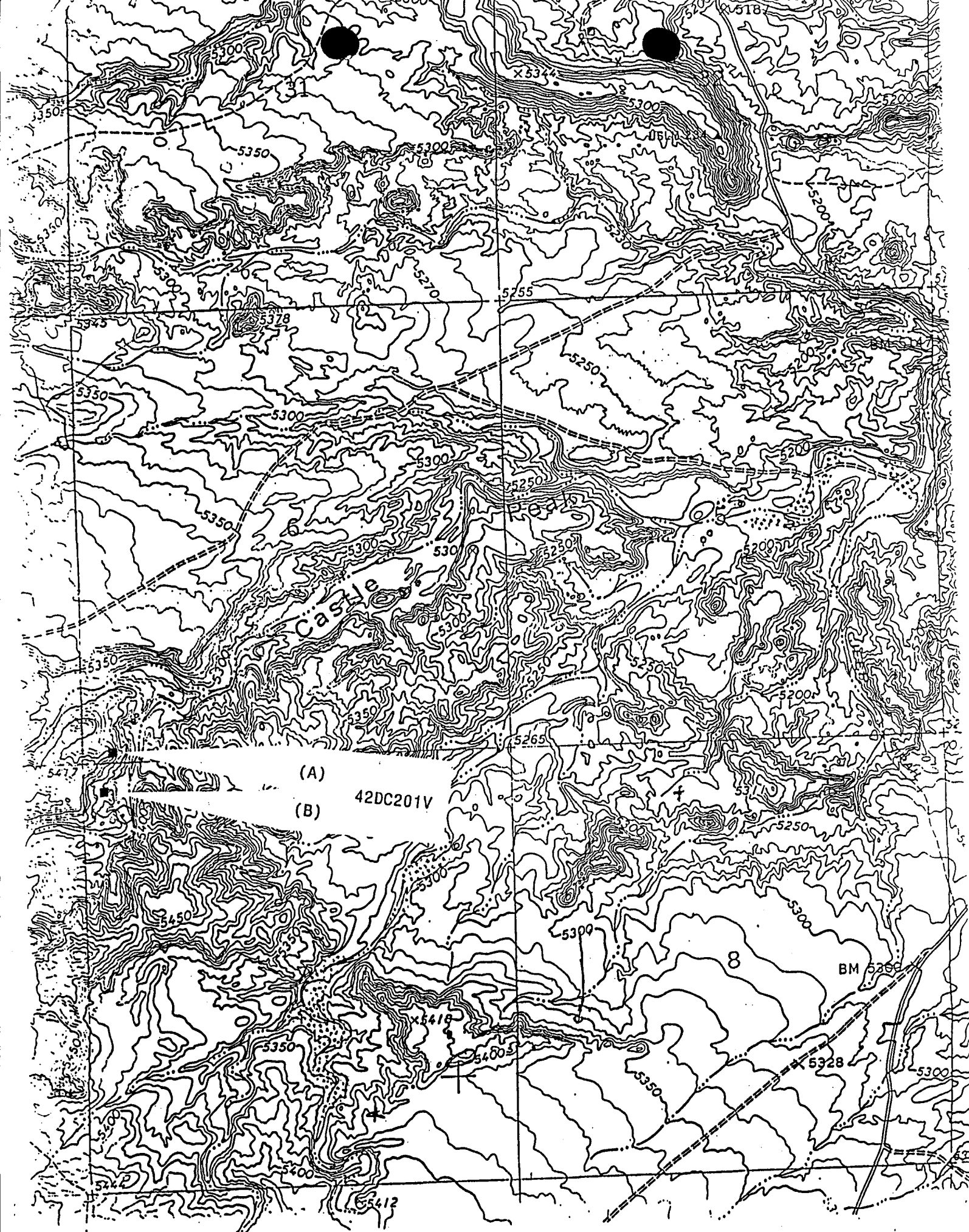
Important

X

Insignificant

17. Recorded by: Alden Hamblin,  
Paleontologist

Date: December 10, 1994



**CULTURAL RESOURCE EVALUATION  
OF A PROPOSED WATER RETURN PIPELINE ROUTE  
~~FOR UNIT 11-7J~~  
IN THE CASTLE PEAK DRAW LOCALITY  
OF DUCHESNE COUNTY, UTAH**

Report Prepared for Balcron Oil Division

Dept. of Interior Permit No.: UT-95-54937  
AERC Project 1503 (BLCR-95-7B)

Utah State Project No.: UT-95-AF-0560b

Principal Investigator  
F. Richard Hauck, Ph.D.

Author of the Report  
F. Richard Hauck



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)**

181 North 200 West, Suite 5  
P.O. Box 853  
Bountiful, Utah 84011-0853

October 16, 1995

## **ABSTRACT**

An intensive cultural resource evaluation has been conducted for Balcron Oil Division of a water return pipeline route for Unit 11-7J situated on federally administered lands located in the Castle Peak Draw locality of Duchesne County, Utah. This evaluation involved a total of 2.4 acres. These evaluations were conducted by F. Richard Hauck and Michael Hauck of AERC on September 27-29, 1995.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No newly identified prehistoric cultural resource activity loci were discovered and recorded during the examinations.

No isolated artifacts were noted during the investigations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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## GENERAL INFORMATION

On September 27 through 29, 1995, AERC archaeologists F. Richard Hauck and Michael Hauck conducted an intensive cultural resource evaluation for Balcron Oil Division of Billings Montana. This examination involved the proposed 1100 foot-long water return pipeline route for Unit 11-7J in the Castle Peak Draw locality south east of Myton, Utah (see Map 1). A total of 2.4 acres was examined on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these pipeline routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

### Project Location

The project location is in the Castle Peak Draw locality of Duchesne County, Utah. The evaluated .2 mile-long pipeline corridor is situated on the Myton SE 7.5 minute topographic quad (see Map 2).

### Environmental Description

The project area is at the 5350 to 5450 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

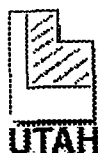
The vegetation in the project area includes *Chrysothamnus spp.*, *Artemisia spp.*, *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus spp.*, *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.



**MAP 1: GENERAL PROJECT  
LOCALITY IN DUCHESNE COUNTY,  
UTAH**

PROJECT: BLCR - 95 - 7B  
SCALE: see below  
QUAD: UG & MS Map 43  
DATE: October 16, 1995

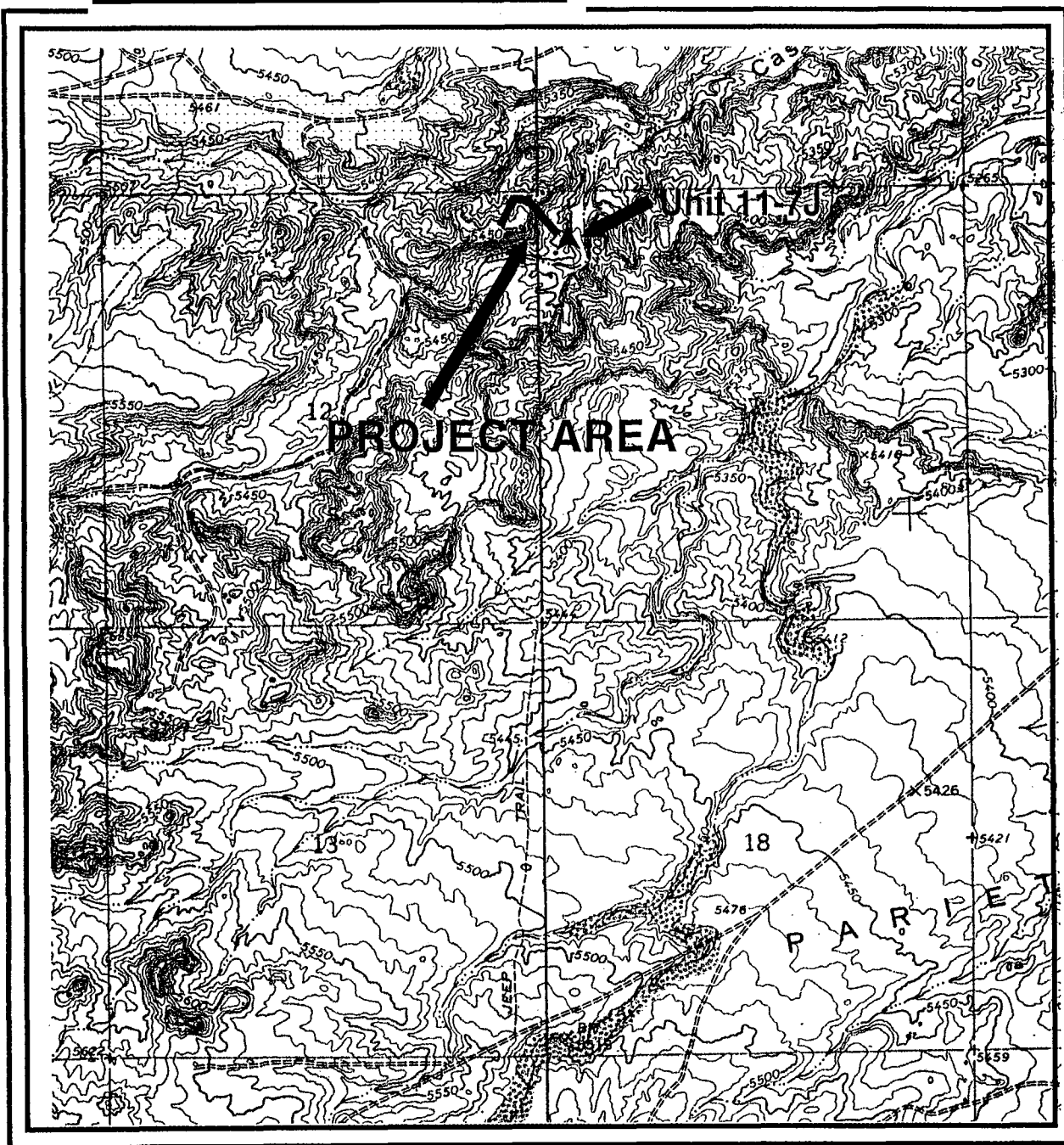


T. multiple  
R. multiple  
Meridian: Salt Lake B. & M.

(after PHYSIOGRAPHIC SUBDIVISIONS  
OF UTAH by W.L. Stokes)

**MAP 2: CULTURAL RESOURCE SURVEY  
OF BALCHRON PIPELINE CORRIDOR FOR  
UNIT 11-7J IN THE CASTLE PEAK DRAW  
LOCALITY OF DUCHESNE COUNTY,  
UTAH**

**PROJECT:** BLCR - 95 - 7B  
**SCALE:** 1:24,000  
**QUAD:** Myton SE, Utah  
**DATE:** October 16, 1995



UTAH

T. 9 South

R. 16 & 17 East

Meridian: Salt Lake B. & M.

**LEGEND:**

Well Location



Access Route



Cultural Site

Ten Acre  
Survey  
Area



Pipeline



## **PREVIOUS RESEARCH IN THE LOCALITY**

### **File Search**

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on June 16, 1995. A similar search was conducted in the Vernal District Office of the BLM on September 28, 1995. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989, Hauck and Hadden 1993, 1994).

### **Prehistory and History of the Cultural Region**

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

### **Site Potential in the Project Development Zone**

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute

horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to six sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

## **FIELD EVALUATIONS**

### **Methodology**

Intensive evaluations consisted of the archaeologist walking a series of 10 to 20 meter-wide transects associated with the flagged pipeline corridor examined to a 100' or 30 meter width.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

### **Site Significance Criteria**

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

*The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:*

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

### **Results of the Inventory**

No newly identified prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluation.

No previously identified and recorded significant or National Register sites were noted during the survey; Balcron's proposed development of the water return pipeline for Unit 11-7J will not have any adverse effect on existing known cultural resources situated in this locality.

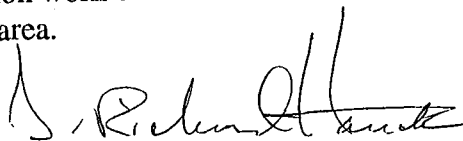
No diagnostic or non-diagnostic isolated artifacts were observed or recorded during the evaluation.

### **CONCLUSION AND RECOMMENDATIONS**

No known significant cultural resources will be adversely impacted during the development and operation of Balcron's water return pipeline for Unit 11-7J as identified in this report.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Division relative to the development of this proposed water return pipeline based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal Investigator

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- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
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- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Injection

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 7, T9S, R17E  
681' FNL & 447' FWL

5. Lease Designation and Serial No.

U-44426

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Monument Fed. #11-7J

9. API Well No.

43-013-31492

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Started Injection  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator started injecting water into this well at an injection rate of 130 barrels of water per day at 10:00 a.m. 2-26-96.

14. I hereby certify that the foregoing is true and correct

Signed Molly Conrad

Title Operations Secretary

Date 3-1-96

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injection	5. Lease Designation and Serial No. U-44426
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. 1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW NW Section 7, T9S, R17E 681' FNL & 447' FWL	8. Well Name and No. Monument Fed. #11-7J
	9. API Well No. 43-013-31492
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Started Injection	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Signed Molly Conrad Title Operations Secretary Date 3-1-96  
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

RECEIVE	MAR - 4 1996
	Office: (406) 259-7860 FAX: (406) 245-1365 <input type="checkbox"/> FAX: (406) 245-1361 <input type="checkbox"/>

March 1, 1996

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #11-7J  
NW NW Section 7, T9S, R17E  
Duchesne County, Utah

Enclosed is our sundry reporting that Equitable Resources Energy Company, Balcron Oil Division started injecting water into this well on 2-26-96. I have also included a copy of the Well Rework Record and MIT that was submitted to the Environmental Protection Agency.

Please feel free to contact me if you require any additional information.

Sincerely,

*Molly Conrad*

Molly Conrad  
Operations Secretary

/mc

Enclosures

cc: Utah Division of Oil, Gas, & Mining  
Bobbie Schuman

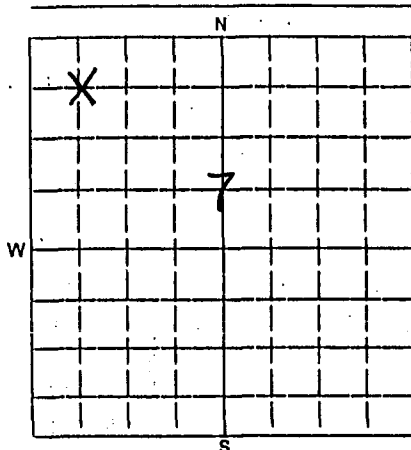


## WELL REWORK RECORD

## NAME AND ADDRESS OF PERMITTEE

Equitable Resources Energy Company  
Balcron Oil Division  
1601 Lewis Avenue  
Billings, Mt. 59102

## NAME AND ADDRESS OF CONTRACTOR

Cannon Well Service  
P.O. Box 1335  
Vernal, Utah 84078LOCATE WELL AND OUTLINE UNIT ON  
SECTION PLAT — 640 ACRES

STATE

Utah

COUNTY

Duchesne County

PERMIT NUMBER

VT2642-0000

## SURFACE LOCATION DESCRIPTION

NW 1/4 OF NW 1/4 OF 1/4 SECTION 7 TOWNSHIP 9S RANGE 17E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface  
Location 681 ft. from (N/S) N Line of quarter section

and 447 ft. from (E/W) W Line of quarter section

## WELL ACTIVITY

- ☐
- Brine Disposal
- 
- ☒
- Enhanced Recovery
- 
- ☐
- Hydrocarbon Storage

Lease Name

Jonah Unit

Total Depth Before Rework

5671' KB

Total Depth After Rework

5671' KB

Date Rework Commenced

6-7-95

Date Rework Completed

6-14-95

## TYPE OF PERMIT

☐ Individual☒ Area

Number of Wells 27

Well Number

Balcron Monument

Federal # 11-75

## WELL CASING RECORD — BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture
Size	Depth	Sacks	Type	From	To	Treatment Record
8 5/8"	275' KB	160	Class-G	4784	4787	4784-4928 Frac w/ 15,162 gals
5 1/2"	5671' KB	383	Class-G	4790	4796	gel KCl wtr & 22,200 lbs
		232	50-50 POZ	4926	4928	16-30 mesh sand.
				5075	5079	5075-5114 Frac w/ 12,684 gals
				5089	5094	gel KCl wtr & 27,660 lbs
				5112	5114	16-30 mesh sand.

## WELL CASING RECORD — AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture
Size	Depth	Sacks	Type	From	To	Treatment Record

DESCRIBE REWORK OPERATIONS IN DETAIL  
USE ADDITIONAL SHEETS IF NECESSARY

## WIRE LINE LOGS, LIST EACH TYPE

Log Types	Logged Intervals
Complete indicated zones, set Arrow	Dual Laterolog
Set-1 packer @ 4686' KB, load	Compensated Neutron
backside annulus w/ 55 gals	Litho-Density
Champion Cortron-2383 PKR fluid	Cement Bond Log
mixed w/ 75 STB 2% KCl water.	

## CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

John Zellitti  
Senior Production Engineer

SIGNATURE

DATE SIGNED

2-26-96



# EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

WELL NAME: Balcron Monument Federal #11-7J  
 FIELD: Monument Butte  
 FEDERAL LEASE NO.: U-44426  
 LOCATION: NW NW Sec.7, T9S, R17E  
 681' FNL & 447' FWL  
 COUNTY/STATE: Duchesne County, Utah  
 WORKING INTEREST: 0.805079508  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 6-14-95  
 INITIAL PRODUCTION: Not Tested  
 PRESENT PROD STATUS: Waiting Conversion To Injection.

WATER INJECTION RATE:  
 ELEVATIONS - GROUND: 5345'  
 TOTAL DEPTH: 5697' KB

DATE: 6-8-95 JZ

API NO.: 43-013-31492

NET REVENUE INTEREST: 0.73831617 Oil  
 0.66359285 Gas  
 OIL GRAVITY: 34 deg  
 SPUD DATE: 5-24-95

KB: 5355' (10' KB)  
 PLUG BACK TD: 5671' KB

## SURFACE CASING

SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 265' (6 lts)  
 DEPTH LANDED: 275' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs class "G" + 2% CCI +  
 1/4#/sk celloflake

## TUBING RECORD

	Length	Setting Depth w/ 10' KB
149 jnts 2 7/8", J-55, 6.5# Tubing	4668.33'	4678.33'
2 7/8" Sealing Nipple	1.10'	4679.43'
2 3/8" x 2 7/8" Cross Over	0.75'	4680.18'
Arrow Set-1 Packer	6.20'	4686.38'

Total String Length: 4676.38'  
 Packer Landed: 4686.38' KB

Arrow Set-1 Packer set w/13" tension on 6-14-95.

Packer Fluid: 55 gals Champion Cortron-2383 mixed w/ 75 STB 2% KCl water.

SN @ 2 7/8" x 2.25" ID

Logs: Dual Laterolog, Compensated Neutron Litho-Density,  
 Cement Bond Log.

## PRODUCTION CASING

SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5660.72 (143 lts)  
 DEPTH LANDED: 5671' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A +  
 17# CSE)/sk + 3% salt + 2% gel + 1/4 #/sk celloseal,  
 tail w/ 232 sk 50-50 POZ + 2% gel + 1/4 #/sk  
 celloseal + 2 #/sk HiSeal 2  
 CEMENT TOP AT: 110' KB from CBL.

## PERFORATION RECORD

Date	Company	Depth	Length	SPF	Size	Holes
6-12-95	Schlumberger	4784' - 87'	2 SPF (.38")	3 ft	6 holes	
		4790' - 96'	2 SPF (.38")	6 ft	12 holes	
		4926' - 28'	2 SPF (.38")	2 ft	4 holes	
6-8-95	Schlumberger	5075' - 79'	4 SPF (.38")	4 ft	16 holes	
		5089' - 94'	4 SPF (.38")	5 ft	20 holes	
		5112' - 14'	4 SPF (.38")	2 ft	8 holes	

## ACID JOB / BREAKDOWN JOB

Date	Company	Depth	Length	Volume	Conc	Notes
6-8-95	BJ/Western	5075' - 5114'	2982 gals	2% KCl wtr w/ 100 balls,		ATR 4.0 bpm, ATP 2600 psig, ISIP 1850 psig.
6-12-95	BJ/Western	4784' - 4796'	2058 gals	2% KCl wtr w/ 2 balls/bbl,		ATR 4.5 bpm, ATP 2200 psig, ISIP 1350 psig.
6-12-95	BJ/Western	4926' - 4928'	1596 gals	2% KCl wtr w/ 2 balls/bbl,		ATR 3.1 bpm, ATP 4000 psig, ISIP 1950 psig.

## FRAC JOB

Date	Company	Depth	Length	Volume	Conc	Notes
6-8-95	BJ/Western	5075' - 5114'	12,684 gals	2% KCl wtr w/ 27,660 lbs 16-30 mesh sand, ATR 34.5 bpm, ATP 2400 psig, ISIP 2300 psig, 15 min 2060 psig.		
6-12-95	BJ/Western	4784' - 4928'	15,162 gals	2% KCl wtr w/ 22,200 lbs 16-30 mesh sand, ATR 35.1 bpm, ATP 3400 psig, ISIP 2150 psig, 15 min 1660 psig.		



# EQUITABLE RESOURCES ENERGY COMPANY BALCRON OIL DIVISION

Balcron Monument Federal #11-7J  
681' FNL & 447' FWL  
NW NW Sec.7, T9S, R17E  
Lease No. U-44426  
Monument Butte Field  
Duchesne County, Utah

Elev. - 5345' GL  
Elev. - 5355' KB

## WELLBORE DIAGRAM

DATE: 8-8-95 JZ

### SURFACE CASING

SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 265' (6 jls)  
DEPTH LANDED: 275' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs class "G" + 2% CCI +  
1/4#/sk celloflake

275' KB

### PRODUCTION CASING

SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5660.72 (143 jls)  
DEPTH LANDED: 5671' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A +  
17# CSE)/sk + 3% salt + 2% gel + 1/4 #/sk celloseal,  
tall w/ 232 sk 50-50 POZ + 2% gel + 1/4 #/sk  
celloseal + 2 #/sk HiSeal 2  
CEMENT TOP AT: 110' KB from CBL.

### TUBING RECORD

	Length	Setting Depth w/ 10' KB
149 jls 2 7/8", J-55, 6.5# Tbg	4668.33'	4678.33'
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Arrow Set-1 Packer set w/13" tension on 6-14-95.

Packer Fluid: 55 gals Champlon Cortron-2383 mixed  
w/ 75 STB 2 % KCl water.

SN @ 2 7/8" x 2.25" ID

Logs: Dual Laterolog, Compensated Neutron Litho-Density,  
Cement Bond Log.

### ACID JOB / BREAKDOWN JOB

6-8-95 BJ/Western 5075'- 5114': 2982 gals 2% KCl wr w/ 100 balls,  
ATR 4.0 bpm, ATP 2600 psig, ISIP 1850 psig.  
6-12-95 BJ/Western 4784'- 4796': 2058 gals 2% KCl wr w/ 2 balls/bbl,  
ATR 4.5 bpm, ATP 2200 psig, ISIP 1350 psig.  
6-12-95 BJ/Western 4926'- 4928': 1596 gals 2% KCl wr w/ 2 balls/bbl,  
ATR 3.1 bpm, ATP 4000 psig, ISIP 1950 psig.

### FRAC JOB

6-8-95 BJ/Western 5075'- 5114': 12,684 gals 2% KCl wr w/ 27,660 lbs  
16-30 mesh sand, ATR 34.5 bpm, ATP 2400 psig,  
ISIP 2300 psig, 15 min 2060 psig.  
6-12-95 BJ/Western 4784'- 4928': 15,162 gals 2% KCl wr w/ 22,200 lbs  
16-30 mesh sand, ATR 35.1 bpm, ATP 3400 psig,  
ISIP 2150 psig, 15 min 1660 psig.

### PERFORATION RECORD

6-12-95 Schlumberger 4784'- 87' 2 SPF (.38") 3 fl 6 holes  
4790'- 96' 2 SPF (.38") 6 fl 12 holes  
4926'- 28' 2 SPF (.38") 2 fl 4 holes  
6-8-95 Schlumberger 5075'- 79' 4 SPF (.38") 4 fl 16 holes  
5089'- 94' 4 SPF (.38") 5 fl 20 holes  
5112'- 14' 4 SPF (.38") 2 fl 8 holes

Retrievable Casing Packer @ 4686' KB

4784'- 4928' KB

5075'- 5114' KB

PBTD @ 5734' KB  
TD @ 5800' KB

STATE OF UTAH  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>2/23/96</u>	Well Owner/Operator: <u>EQUITABLE RESOURCES ENERGY</u>	
Disposal Well: _____	Enhanced Recovery Well: <u>W1W</u>	Other: _____
API No.: 43- <u>013-31492</u>	Well Name/Number: <u>MONUMENT FEDERAL #11-7J</u>	
Section: <u>7</u>	Township: <u>09S</u>	Range: <u>17E</u>

Initial Conditions:

Tubing - Rate: ~~400 PSI~~ Pressure: 400 PSI psi  
Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000 PSI</u>	<u>400 PSI</u>
5	<u>1000 PSI</u>	<u>400 PSI</u>
10	<u>1000 PSI</u>	<u>400 PSI</u>
15	<u>1000 PSI</u>	<u>400 PSI</u>
20	<u>1000 PSI</u>	<u>400 PSI</u>
25	<u>1000 PSI</u>	<u>400 PSI</u>
30	<u>1000 PSI</u>	<u>400 PSI</u>

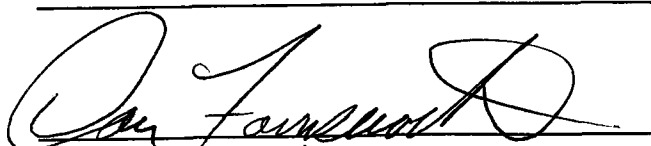
Results: Pass/Fail

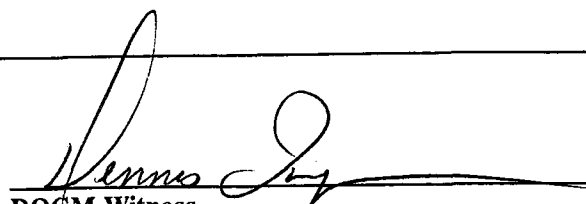
Conditions After Test:

Tubing Pressure: 1000 psi  
Casing/Tubing Annulus Pressure: 400 psi

REMARKS:

TESTED FROM 11:30 AM UNTIL NOON!  
NO LEAK OFF.

  
Operator Representative

  
DOGM Witness



STATE OF UTAH  
INVENTORY OF INJECTION WELLS

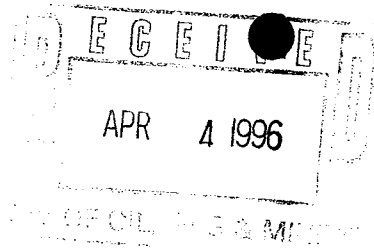
OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-047-32248	1-26B	09S	19E	26	INJG	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	43-013-31384	22-5	09S	<del>16E</del>	5	INJW 17E	Y
EQUITABLE RE	43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE	43-013-31492	11-7J	9S	17E	7	INJW	N



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102



Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

April 1, 1996

Mr. Dan Jarvis  
Utah Division of Oil, Gas and Mining  
UIC Program  
355 West North Temple  
Salt Lake City, UT 84180

Dear Dan:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a listing of permits which we have with your Agency. This change will apply to those. If you note that I have missed some or if you have any questions, please do not hesitate to give me a call at (406) 259-7860, extension 240 to discuss this.

This change affects only our company name. The physical locations of our offices and the personnel remain the same.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

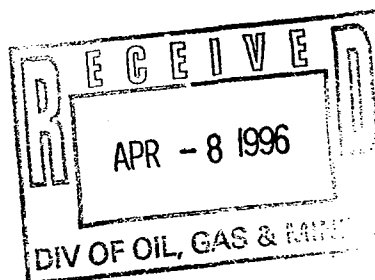
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

UTAH - ALL

Balcron Coyote Fed. #42-6X	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	OSI	Green River	U-017439-B	43-047-32346	1987' FNL, 682' FEL	Vernal	Coyote Basin
Balcron Coyote Fed. #44-6	Coyote Basin	SE SE	6	8S	25E	Uintah	UT	PND	Green River	U-017439B	43-047-32421	560' FSL, 760' FEL	Vernal	Coyote Basin
Balcron Federal #12-20Y	8 Mile Flat N.	SW NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32617	1980' FNL, 660' FWL	Vernal	
Balcron Federal #12-22Y	8 Mile Flat N.	SW NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-66191	43-013-31476	2105' FNL, 660' FWL	Vernal/Priv.sfc.	
Balcron Federal #21-13Y	Monument Butte	NE NW	13	9S	16E	Duchesne	UT	Oil	Green River	U-64805	43-013-31400	703' FNL, 1831' FWL	Vernal	
Balcron Federal #21-25Y	Monument Butte	NE NW	25	9S	16E	Duchesne	UT	Oil	Green River	U-64380	43-013-31994	500' FNL, 1980' FWL	Vernal	
Balcron Federal #21-9Y	Monument Butte	NE NW	9	9S	16E	Duchesne	UT	Oil	Green River	U-65207	43-013-31396	476' FNL, 2051' FWL	Vernal	
Balcron Federal #22-10Y	Monument Butte	SE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31395	1980' FNL, 1980' FWL	Vernal	
Balcron Federal #24-3Y	Monument Butte	SE SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31397	562' FSL, 1887' FWL	Vernal	
Balcron Federal #31-14Y	Undesignated	NW NE	14	9S	19E	Uintah	UT	PND	WASATCH	U-66193		500' FNL, 2740' FWL	Vernal/Priv.sfc.	
Balcron Federal #31-19Y	8 Mile Flat N.	NW NE	19	9S	18E	Duchesne	UT	Oil	Green River	U-65635	43-047-32614	660' FNL, 1880' FEL	Vernal	
Balcron Federal #31-5Y	8 Mile Flat N.	NW NE	5	9S	18E	Uintah	UT	Oil	Green River	U-65970	43-047-32503	660' FNL, 1980' FEL	Vernal	
Balcron Federal #32-19Y	8 Mile Flat N.	SW NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32615	1980' FNL, 1980' FEL	Vernal	
Balcron Federal #41-19Y	Monument Butte	NE NE	19	9S	17E	Duchesne	UT	Oil	Green River	U-65967	43-047-32504	660' FSL, 660' FEL	Vernal	
Balcron Federal #41-21Y	Monument Butte	NE NE	21	9S	16E	Duchesne	UT	Oil	Green River	U-64379	43-013-31392	970' FNL, 894' FEL	Vernal	
Balcron Federal #42-19Y	8 Mile Flat N.	SE NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32616	2100' FNL, 500' FEL	Vernal	
Balcron Federal #44-14Y	Monument Butte	SE SE	14	9S	17E	Uintah	UT	Oil	Green River	U-64806	43-047-32438	1008' FSL, 832' FEL	Vernal	
Balcron Federal #44-4Y	8 Mile Flat N.	SE SE	4	9S	17E	Duchesne	UT	Oil	Green River	U-65635	43-013-31452	660' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #11-10-9-17Y		NW NW	10	9S	17E	Duchesne	UT	PND	Green River				Vernal	
Balcron Monument Fed. #11-20-9-18Y	Monument Butte	NW NW	20	9S	18E	Uintah	UT	OIL	Green River	U-64917	43-047-32712	500' FNL, 500' FWL	Vernal	
Balcron Monument Fed. #11-22-8-17Y	Monument Butte	NW NW	22	8S	17E	Duchesne	UT	OIL	Green River	U-66191	43-013-31539	635' FNL, 658' FWL	Vernal	
Balcron Monument Fed. #11-25	Monument Butte	NW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32455	739' FNL, 648' FWL	Vernal	
Balcron Monument Fed. #11-6	Monument Butte	NW NW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31362	804' FNL, 696' FWL	Vernal	Jonah
Balcron Monument Fed. #11-7J	Monument Butte	NW NW	7	9S	17E	Duchesne	UT	COMPL-WIW	Green River	U-44426	43-013-31492	681' FNL, 447' FWL	Vernal	Jonah
Balcron Monument Fed. #12-10-9-17Y	Monument Butte	SW NW	10	9S	17E	Duchesne	UT	COMPL	Green River	U-65210	43-013-31536	1994' FNL, 618' FWL	Vernal	
Balcron Monument Fed. #12-11J	Monument Butte	SW NW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31417	2128' FNL, 689' FWL	Vernal	Jonah
Balcron Monument Fed. #12-12J	Monument Butte	SW NW	12	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31410	739' FNL, 648' FWL	Vernal	Jonah
Balcron Monument Fed. #12-14J	Monument Butte	SW NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31488	2004' FNL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #12-25	Undesignated	SW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32526	1486' FNL, 875.7' FWL	Vernal	
Balcron Monument Fed. #12-7J	Monument Butte	SW NW	7	9S	17E	Duchesne	UT	Oil	Green River	U-44426	43-013-31493	1965' FNL, 620' FWL	Vernal	Jonah
Balcron Monument Fed. #13-11J	Monument Butte	NW SW	11	9S	16E	Duchesne	UT	Oil	Green River	U-096547	43-013-15790	1819' FSL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #13-5	Monument Butte	NW SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31370	1980' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
Balcron Monument Fed. #14-11	Monument Butte	SW SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31374	1048' FSL, 446' FWL	Vernal	Jonah

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing  
QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:  
See attached listing

6. If Indian, Allottee or Tribe Name:  
n/a

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

County: See attached list  
State: UTAH

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon *                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                                | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                              | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                         | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13. Name & Signature: Bobbie Schuman  
Bobbie Schuman

Regulatory and  
Title: Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	LE 7-SJ
2	DE 58-FILE
3	VLD (GIL)
4	RJE
5	TE
6	FILM

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent  
☐ Designation of Operator ~~Operator Name Change Only~~

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
phone (406) 259-7860		phone (406) 259-7860
account no. N9890		account no. N9890

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-31492</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- See 6. Cardex file has been updated for each well listed above. (4-11-96)
- See 7. Well file labels have been updated for each well listed above. (4-11-96)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Schwa Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date                      19  . If yes, division response was made by letter dated                      19  .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
- DTS Sent to Ed Boucher - Trust Lands

### FILMING

- WDR 1. All attachments to this form have been microfilmed. Date: May 20 1996.  
refilmed 9-19-96

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

9/6/04/10 BLM/BIA "Formal approval not necessary"

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other WIW

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 7, T9S, R17E  
681' FNL, 447' FWL

5. Lease Designation and Serial No.  
U-44426

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balc. Mon. Fed. #11-7J

9. API Well No.

43-013-31492

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

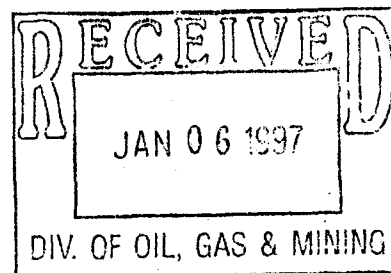
- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☒ Altering Casing  
☒ Other Request variance

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water  
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator has an approved sundry notice to lay a water injection line. In the Conditions of Approval to that sundry notice, it is specified that the seed for reclamation will be drilled, broadcasted, and hydromulched. Operator requests that the Condition for hydromulching be waived. The area to be reclaimed is very similar to the rest of the area where Operator has just drilled and broadcasted, and the reclamation has been successful in those areas without hydromulching. Operator does not see that hydromulching will add value to the area and the cost of adding the hydromulching is excessive.

ORIGINAL: Bureau of Land Management (Vernal, Utah)  
COPY: Utah Division of Oil, Gas and Mining



14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman  
Bobbie Schuman  
(This space for Federal or State office use)

Regulatory and  
Environmental Specialist

Date January 2, 1997

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

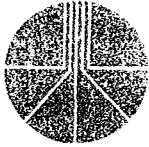
**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

**FOR RECORD ONLY**





**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

February 10, 1997

Mr. Dan Jarvis  
State of Utah  
UIC Program  
Division of Oil, Gas and Mining  
1594 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

Dear Mr. Jarvis:

Attached are copies of the results of Mechanical Integrity Tests (MIT)  
recently run on the following wells:

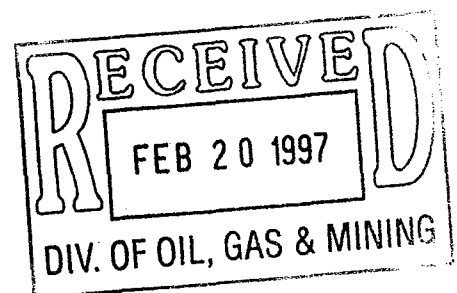
Balcron Monument Federal #41-14J  
Monument State #14-2  
Monument State #22-2  
Monument Federal #11-7J

Sincerely,

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs  
Attachments

cc: Bureau of Land Management (Vernal, UT)  
U.S. Environmental Protection Agency (MAIL CODE: 8 WM-DW)



STATE OF UTAH  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>2/23/96</u>	Well Owner/Operator: <u>EQUITABLE RESOURCES ENERGY</u>
Disposal Well: _____	Enhanced Recovery Well: <u>WIW</u> Other: _____
API No.: 43- <u>013-31492</u>	Well Name/Number: <u>MONUMENT FEDERAL #11-7J</u>
Section: <u>7</u>	Township: <u>09S</u> Range: <u>17E</u>

Initial Conditions:

Tubing - Rate: ~~400 PSI~~ Pressure: 400 PSI psi  
Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000 PSI</u>	<u>400 PSI</u>
5	<u>1000 PSI</u>	<u>400 PSI</u>
10	<u>1000 PSI</u>	<u>400 PSI</u>
15	<u>1000 PSI</u>	<u>400 PSI</u>
20	<u>1000 PSI</u>	<u>400 PSI</u>
25	<u>1000 PSI</u>	<u>400 PSI</u>
30	<u>1000 PSI</u>	<u>400 PSI</u>

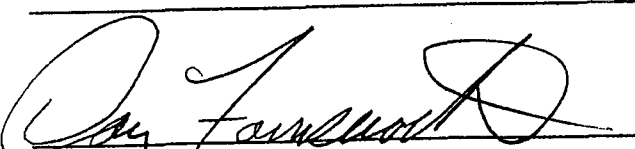
Results: Pass/Fail

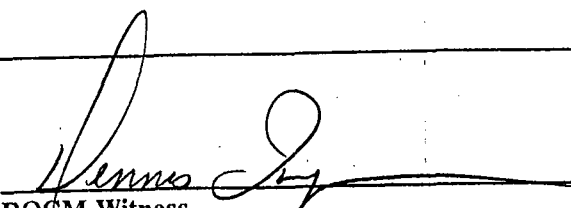
Conditions After Test:

Tubing Pressure: 1000 psi  
Casing/Tubing Annulus Pressure: 400 psi

REMARKS:

TESTED FROM 11:30 AM UNTIL NOON!

  
Operator Representative

  
DOGM Witness

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
EQUITABLE RE	✓43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	✓43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	✓43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	✓43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	✓43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	✓43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	✓43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	✓43-013-31384	22-5	09S	17E	5	INJW	Y
EQUITABLE RE	✓43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	✓43-013-31492	11-7J	09S	17E	7	INJW	Y
EQUITABLE RE	✓43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-047-20252	E. RED WASH	08S	25E	5	INJW	N
EQUITABLE RE	43-047-20261	ERW 4-6	08S	25E	6	INJW	Y
EQUITABLE RE	43-047-32346	42-6X	08S	25E	6	INJW	N
EQUITABLE RE	43-047-20245	AMERADA GUIN	08S	25E	7	INJW	Y
EQUITABLE RE	43-013-30666	44-7	09S	17E	7	INJW	Y
EQUITABLE RE	43-013-31382	13-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-31427	33-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-30675	24-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-30643	44-8-17B	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-31580	13-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-30616	11-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-31145	22-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-30518	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30499	POMCO 5	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30516	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31428	31-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31581	33-17-9-17B	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31429	22-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31467	42-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-047-32610	22-2	09S	17E	2	INJW	Y
EQUITABLE RE	43-013-31425	14-2	09S	17E	2	INJW	Y
GIANT EXPLOR	43-037-15042	GOTHIC MESA	41S	23E	16	INJD	Y
GIANT EXPLOR	43-037-20292	SENTINEL PEA	41S	26E	27	INJD	Y
GIANT EXPLOR	43-037-16452	9-24	41S	23E	9	INJI	Y
HAY HOT OIL	43-037-30521	MCCRACKEN PT	40S	23E	19	INJI	N
INLAND PRODU	43-013-30843	MONUMENT BUT	08S	16E	34	INJW	Y
INLAND PRODU	43-013-31559	15-25	08S	16E	25	INJW	N
INLAND PRODU	43-013-30693	FEDERAL 3-33	08S	16E	33	INJW	N
INLAND PRODU	43-013-30808	FED 1-34	08S	16E	34	INJW	N
INLAND PRODU	43-013-30686	FEDERAL 5-35	08S	16E	35	INJW	N
INLAND PRODU	43-013-30606	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30745	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31514	1A-35	08S	16E	35	INJW	Y
INLAND PRODU	43-013-30605	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31264	MONUMENT FED	08S	16E	35	INJW	N
INLAND PRODU	43-013-30608	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30624	STATE 5-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30592	STATE 1-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30787	12-32	08S	17E	32	INJW	Y
INLAND PRODU	43-013-30779	FED 15-28	08S	16E	28	INJW	N
INLAND PRODU	43-013-31372	14A-28	08S	16E	28	INJW	N

## DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT  
(Submit in Duplicate)

- ☐ Abandon ☐ New Construction  
☐ Repair Casing ☐ Pull or Alter Casing  
☐ Change of Plans ☐ Recomplete  
☐ Convert to Injection ☐ Reperforate  
☐ Fracture Treat or Acidize ☐ Vent or Flare  
☐ Multiple Completion ☐ Water Shut-Off  
☒ Other Change of Operator

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- ☐ Abandon ☐ New Construction  
☐ Repair Casing ☐ Pull or Alter Casing  
☐ Change of Plans ☐ Reperforate  
☐ Convert to Injection ☐ Vent or Flare  
☐ Fracture Treat or Acidize ☐ Water Shut-Off  
☒ Other Change of Operator

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

• Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company  
 1601 Lewis Avenue  
 Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13.

Name & Signature: Chris A. Potter

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date: 9/30/97

(This space for State use only)

RECEIVED  
OCT 10 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

RECEIVED  
OCT 13 1997

Well name and number: See Attached **\*\*JONAH (GREEN RIVER) UNIT**  
Field or Unit name: See Attached API no. See Attached  
Well location: QQ See Attached section See Attached township See Attached range See Attached county See Attached  
Effective Date of Transfer: September 30, 1997

CURRENT OPERATOR

Transfer approved by:

Name David M. McCoskery Company Equitable Resources Energy Co.  
Signature [Signature] Address 1601 Lewis Avenue  
Title Director of Operations & Engineering Billings, MT 59102  
Date 9-30-97 Phone ( 406 ) 259-7860

Comments:

NEW OPERATOR

Transfer approved by:

Name Chris A. Potter Company Inland Production Company  
Signature [Signature] Address 475 - 17th Street, Suite 1500  
Title CHRIS A. POTTER, ATTORNEY-IN-FACT Denver, CO 80202  
Date 9-30-97 Phone ( 303 ) 292-0900

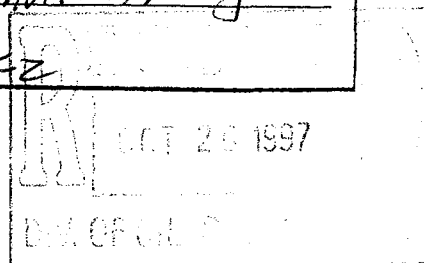
Comments:

(State use only)

Transfer approved by [Signature] Title Executive Manager

Approval Date 1-20-98

CAUSE # 228-2



Injection wells

Injection Wells for Inland Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGREEMENT NO.
✓ AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
✓ MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
✓ MONUMENT BUTTE #22-5	SENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
✓ MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #12-11	SWNW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-11	SWSW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #12-12	SWNW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #14-12	SWSW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
✓ MONUMENT BUTTE #21-14	NENW 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
✓ MONUMENT BUTTE #23-11	NESW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #23-15	NESW 15 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE #32-11	SWNE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
✓ MONUMENT BUTTE #32-12	SWNE 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
✓ MONUMENT BUTTE #41-14	NENE 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #43-11	NESE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #32-15	SWNE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #34-10	SWSE 10 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #41-15	NENE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
✓ MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
✓ C&O GOV'T #4	NESW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ WALTON FEDERAL #34-11	SWSE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ MONUMENT STATE #11-2-9-17CD	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-42685	ML 45555	

11422

11426

11438  
11431



# EQUITABLE RESOURCES ENERGY COMPANY

## WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

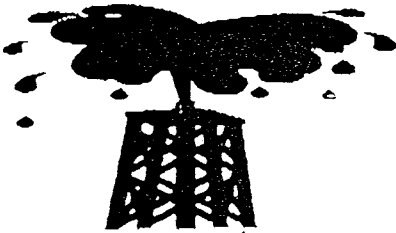
Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad

Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: Lisha  
St of Utah.

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.  
Call if you need anything  
further.

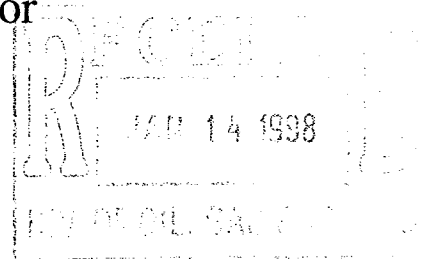




# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
UT-931

January 13, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Jonah (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group U-932  
File - Jonah (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
<b>** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT</b>									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

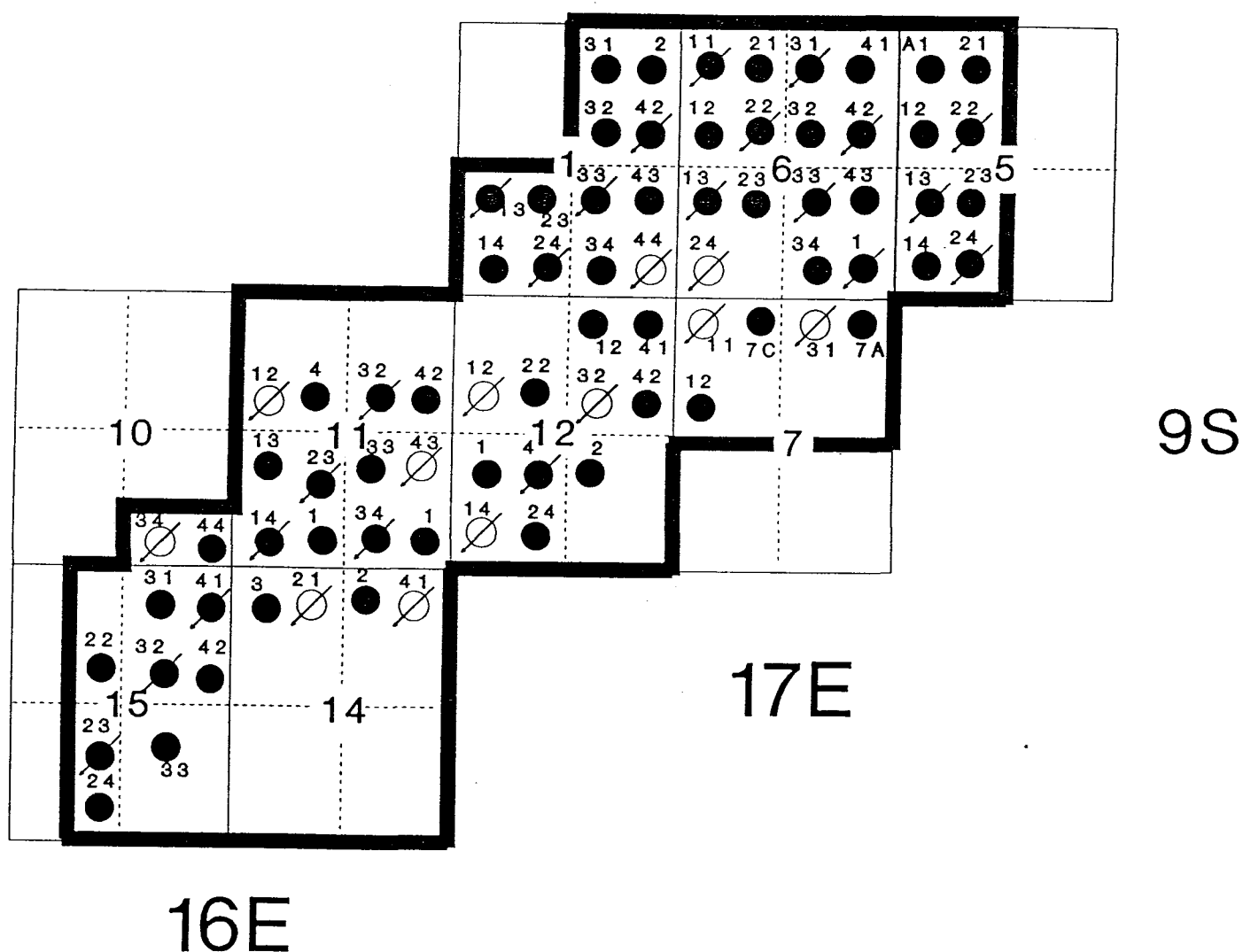
WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

# JONAH (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-IEC	6-NA
2-CH	7-KAS
3-DTS	8-SI
4-VLD	9-FHE
5-JRB	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 9-30-97TO: (new operator) INLAND PRODUCTION COMPANY(address) PO BOX 1446ROOSEVELT UT 84066Phone: (801) 722-5103Account no. N5160

FROM: (old operator)

(address)

EQUITABLE RESOURCES ENERGYPO BOX 577LAUREL MT 59044C/O CRAZY MTN O&G SVSPhone: (406) 628-4164Account no. N9890

WELL(S) attach additional page if needed:

**\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31498</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 12-10-97)
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-13-97)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (1-14-98) \* UIC/Que Hro Pto 1-14-98 & UIC/DBase 1-14-98.
- lec 6. **Cardex** file has been updated for each well listed above.
- lec 7. Well **file labels** have been updated for each well listed above.
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (1-14-98)
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- yc 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (GR) Unit"*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- N/A yc 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A yc 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

## FILMING

- ys 1. All attachments to this form have been **microfilmed**. Today's date: 2-3-98.

## FILING

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

## COMMENTS

980114 Btm / SL Aprv. eH. 1-13-98.



October 1, 2000

State of Utah  
Division of Oil, Gas & Mining  
Attn: Dan Jarvis  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Step-Rate Test  
Jonah Monument Federal 11-7J-9-17  
Permit #: UT04281-2642  
43-013-31492  
Sec. 7, 95, 17E

Dear Dan:

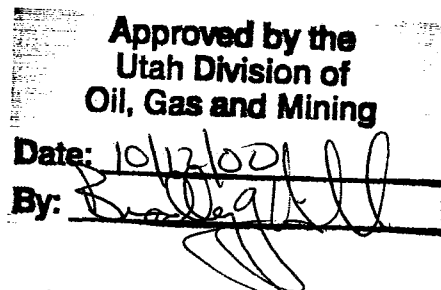
Find enclosed the Step-Rate Test (SRT) results for the subject well that was conducted on September 13, 2000. Attached are the SRT graph and a copy of the test chart.

Inland is requesting that the Maximum Allowable Injection pressure be adjusted from 2200 psi to 2025 psi due to the results of the test. If you have any questions or require further information you may contact me at (435) 646-3721.

Sincerely,

Michael Guinn  
District Engineer

cc: Roosevelt files  
Denver files



COPY SENT TO OPERATOR  
Date: 10-13-00  
Initials: CHO

RECEIVED

OCT 05 2000

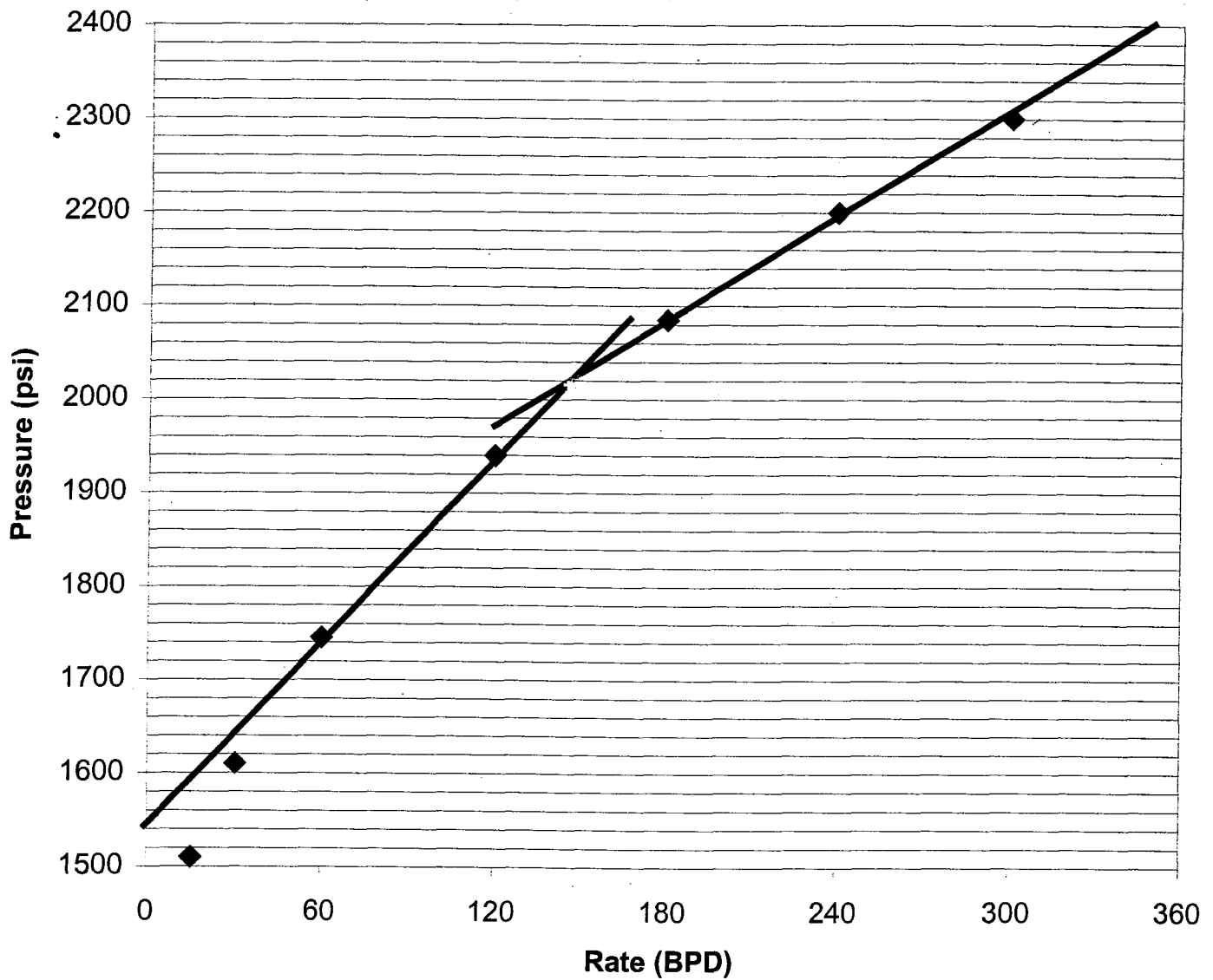
DIVISION OF  
OIL, GAS AND MINING

MONUMENT FED. 11-7J-9-17

JONAH UNIT

Step Rate Test

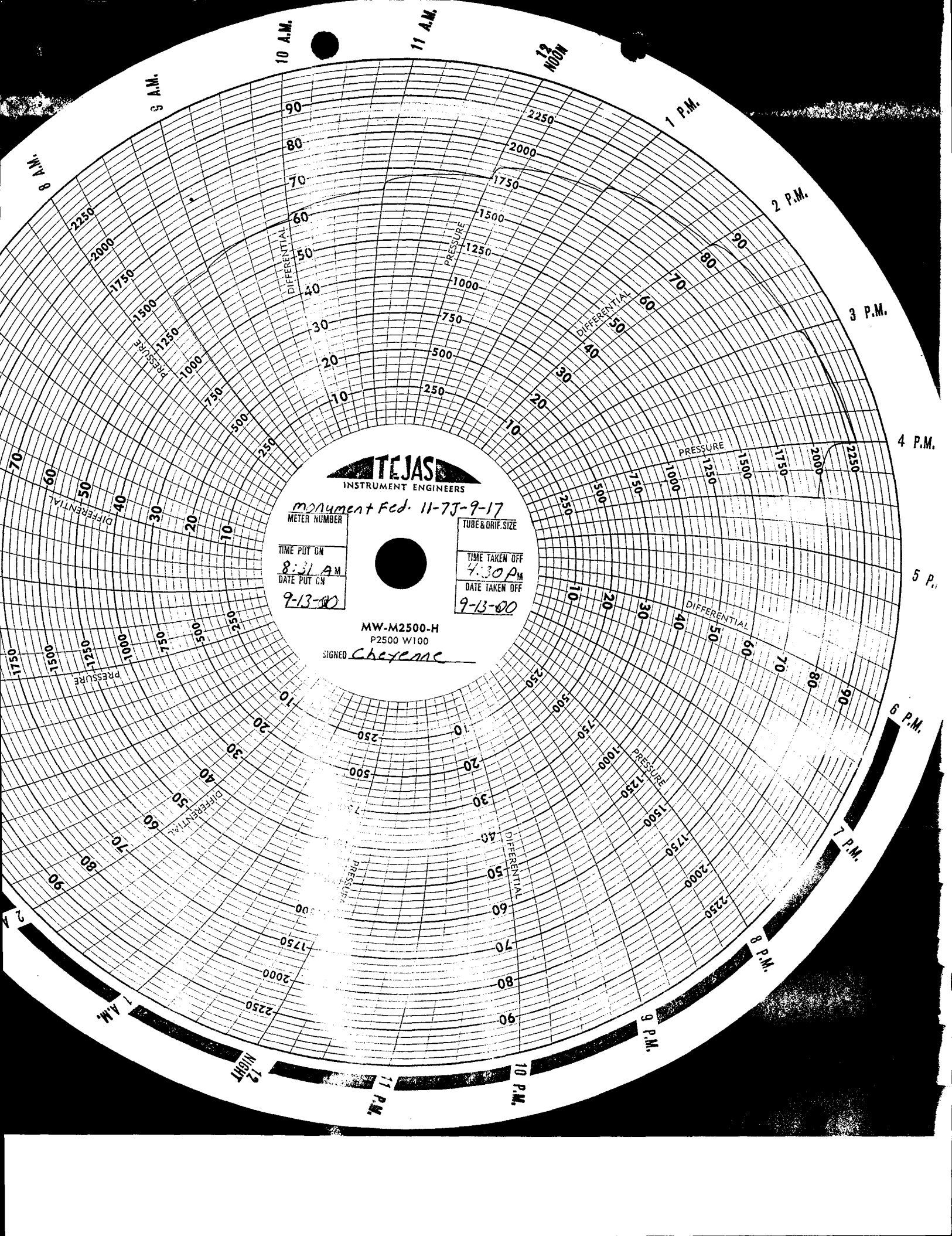
September 13, 2000



Start Pressure: 1435 psi  
ISIP: 2250 psi  
Fracture pressure: 2025 psi  
Top Perforation: 4784  
FG: 0.858 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	15	1510
2	30	1610
3	60	1745
4	120	1940
5	180	2085
6	240	2200
7	300	2300





**TEJAS**  
INSTRUMENT ENGINEERS

monument Fed. 11-7J-9-17

METER NUMBER

TUBE & ORIF. SIZE

TIME PUT ON

TIME TAKEN OFF

8:31 AM

4:30 PM

DATE PUT ON

DATE TAKEN OFF

9-13-00

9-13-00

MW-M2500-H  
P2500 W100

SIGNED *Cheyenne*

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> UTU-44426	
<b>2. NAME OF OPERATOR</b> INLAND PRODUCTION COMPANY		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  N/A	
<b>3. ADDRESS OF OPERATOR</b> Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		<b>7. UNIT AGREEMENT NAME</b>  JONAH	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/NW Section 7, T09S R17E 681 FNL 447 FWL		<b>8. FARM OR LEASE NAME</b> BALCRON MONUMENT FEDERAL 11-7J-9-17	
<b>10. FIELD AND POOL, OR WILDCAT</b>  MONUMENT BUTTE		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> NW/NW Section 7, T09S R17E	
<b>14. API NUMBER</b> 43-013-31492	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 5343 GR	<b>12. COUNTY OR PARISH</b> DUCHESNE	<b>13. STATE</b> UT

<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>  TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (OTHER) <input type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b>  WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (OTHER) <input checked="" type="checkbox"/> <u>Recompletion</u>  (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject well was recompleted in the Green River Formation. One new Green River interval was perforated, the GB-6 4086'-4101' w/ 4 jsp for a total of 60 shots.

On 06/27/01 Mr. Al Craver w/ EPA and Mr. Dennis Ingram w/ State DOGM was contacted of the intent to conduct a MIT on the casing. On 06/27/01 the casing was pressured to 1150 psi and charted for 30 minutes w/ no pressure loss. No governmental agencies were able to witness the test. The well is shut in and waiting on permission to inject.

**18 I hereby certify that the foregoing is true and correct**

SIGNED Krishna Russell TITLE Production Clerk DATE 6/27/01  
 Krishna Russell

cc: BLM  
 (This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

COPY SENT TO OPERATOR  
 Date: 07-02-01  
 Initials: CHD

**Approved by the**  
**Utah Division of**  
**Oil, Gas and Mining**

Date: 07-02-01  
 By: Bradley

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: None Date: 6/27/01  
Test conducted by: Ron Shuck  
Others present: None

Well Name: <u>Monument Federal 11-75-9-17</u>	Type: <u>ER</u> SWD	Status: AC TA UC
Field: <u>Tonah</u>		
Location: <u>NW/NW</u> Sec: <u>7</u> T <u>9</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>Duchesne</u>	State: <u>UT</u>
Operator: <u>Inland Production</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure:	<u>PSIG</u>

Is this a regularly scheduled test? ☐ Yes ☒ No

Initial test for permit? ☐ Yes ☒ No

Test after well rework? ☒ Yes ☐ No

Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 lbs / 600 casing psig

MIT DATA TABLE		Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>				
Initial Pressure	<u>600</u> psig			
End of test pressure	<u>600</u> psig			
<b>CASING / TUBING ANNULUS PRESSURE</b>				
0 minutes	<u>1050</u> psig			
5 minutes	<u>1150</u> psig			
10 minutes	<u>1150</u> psig			
15 minutes	<u>1150</u> psig			
20 minutes	<u>1150</u> psig			
25 minutes	<u>1150</u> psig			
30 minutes	<u>1150</u> psig			
minutes	psig			
minutes	psig			
minutes	psig			
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☒ Yes ☐ No

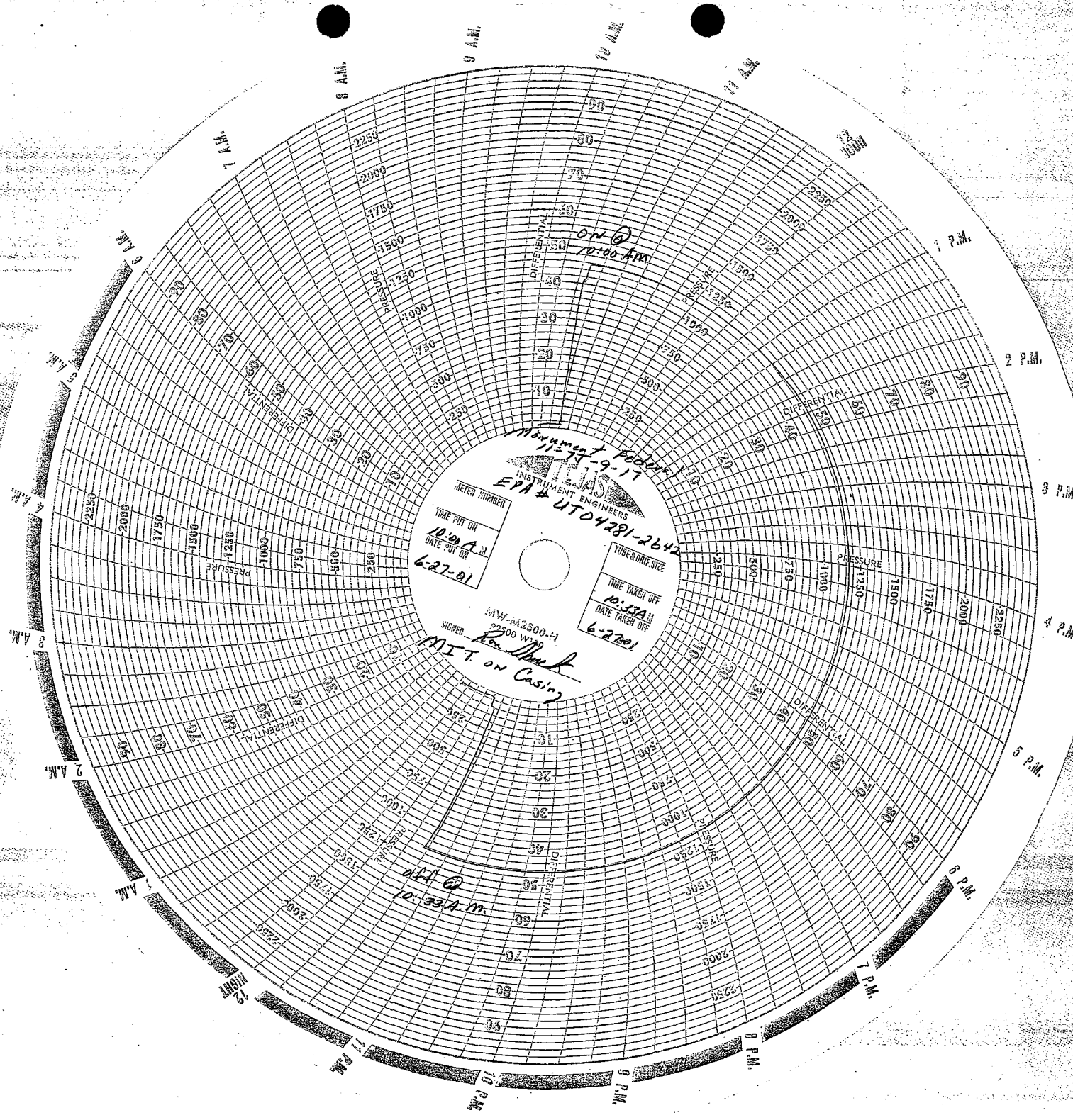
# Mechanical Integrity Test

Additional comments for mechanical integrity test \_\_\_\_\_

• Jonah 11-75-9-17 was an Injection Well.  
 Inland on 6-25-01 shot some more perfs on well and  
 Conducted this MIT on Casing. The well is shut-in  
 waiting on permission to Re Inject.

OFFICE USE ONLY - COMPLIANCE FOLLOWUP		Staff _____	Date _____
Do you agree that the well passed/failed the test?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Transfer of ownership?		<input type="checkbox"/> Yes <input type="checkbox"/> No	OLD _____ NEW _____
Change in operating status (computer update)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Possible violation identified?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
If YES - Followup initiated?		<input type="checkbox"/> Yes	<input type="checkbox"/> No

☐ Data Entry      ☐ Compliance Staff      ☐ 2nd Data Entry      ☐ Hard Copy Filing



Movement Federal  
11-79-9-17  
INSTRUMENT ENGINEERS  
EPA # UT04281-2642  
METER NUMBER  
TIME PUT ON 10:00 AM  
DATE PUT ON 6-27-01  
TUBE & ONE SIZE  
TIME TAKEN OFF 10:33 AM  
DATE TAKEN OFF 6-27-01  
SIGNED *[Signature]*  
MIT on Casing  
HAW-M-2300-H  
2500 W.P.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office  
From: Acting Chief, Branch of Fluid Minerals  
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

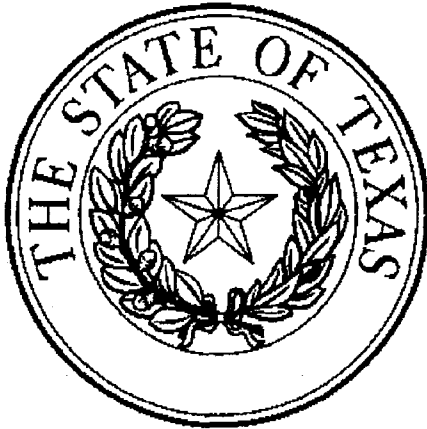
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer



UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

## TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

## CURRENT OPERATOR

Company: Inland Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: (303) 893-0102  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

## NEW OPERATOR

Company: Newfield Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone:  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

(This space for State use only)

Transfer approved by:

Title:

Approval Date:

Comments:

*Note: Indian Country wells will require EPA approval.*RECEIVED  
SEP 20 2004

DIV. OF OIL, GAS &amp; MINING

**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****JONAH (GREEN RIVER)****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 31-1J	01	090S	160E	4301331413	11492	Federal	OW	P
MONUMENT FED 32-1J	01	090S	160E	4301331414	11492	Federal	OW	P
MON FED 44-1J	01	090S	160E	4301331415	11492	Federal	WI	A
MON FED 34-10J	10	090S	160E	4301331416	11492	Federal	WI	A
MON FED 12-11J	11	090S	160E	4301331417	11492	Federal	WI	A
MONUMENT FED 33-11J	11	090S	160E	4301331451	11492	Federal	OW	P
MONUMENT FED 24-12J	12	090S	160E	4301331409	11492	Federal	OW	P
MON FED 12-12J	12	090S	160E	4301331410	11492	Federal	WI	A
MON FED 14-12J	12	090S	160E	4301331411	11492	Federal	WI	A
MON FED 32-12J	12	090S	160E	4301331419	11492	Federal	WI	A
MON FED 42-12J	12	090S	160E	4301331486	11492	Federal	WI	A
MONUMENT FED 41-12J	12	090S	160E	4301331487	11492	Federal	OW	P
MON FED 41-14J	14	090S	160E	4301331408	11492	Federal	WI	A
MON FED 21-14J	14	090S	160E	4301331421	11492	Federal	WI	A
MONUMENT FED 21-15J	15	090S	160E	4301331422	11492	Federal	NA	PA
MON FED 31-7J	07	090S	170E	4301331405	11492	Federal	WI	A
MON FED 11-7J	07	090S	170E	4301331492	11492	Federal	WI	A
MONUMENT FED 12-7J	07	090S	170E	4301331493	11492	Federal	OW	P
JONAH 6-7	07	090S	170E	4301331987	11492	Federal	WI	A
JONAH 7-7	07	090S	170E	4301331988	11492	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU44426
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0681 FNL 0447 FWL		8. WELL NAME and NUMBER: MON FED 11-7J
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/NW, 7, T9S, R17E		9. API NUMBER: 4301331492
		10. FIELD AND POOL, OR WILDCAT: Monument Butte
		COUNTY: Duchesne
		STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
	SubDate	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/20/2006	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 6/20/06 Nahtan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 6/2/06. On 6/2/06 the csg was pressured up to 1140 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 2000 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20642-04281 API# 43-013-31492.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

NAME (PLEASE PRINT) Callie Duncan TITLE Production Clerk  
SIGNATURE *Callie Duncan* DATE 06/21/2006

(This space for State use only)

RECEIVED  
JUN 23 2006

DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 6 / 20 / 2006  
Test conducted by: J.D. Horrocks  
Others present: \_\_\_\_\_

Well Name: <u>Monument Federal 11-21-9-17</u>		Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Jarah unit</u>			
Location: <u>NW/NW</u>	Sec: <u>7</u>	T <u>9</u> N <u>(S)</u> R <u>17</u> / W	County: <u>Duchesne</u> State: <u>ut</u>
Operator: <u>Newfield exploration</u>			
Last MIT: _____	Maximum Allowable Pressure: <u>2025</u>		PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 18 bpd

Pre-test casing/tubing annulus pressure: 0 psig

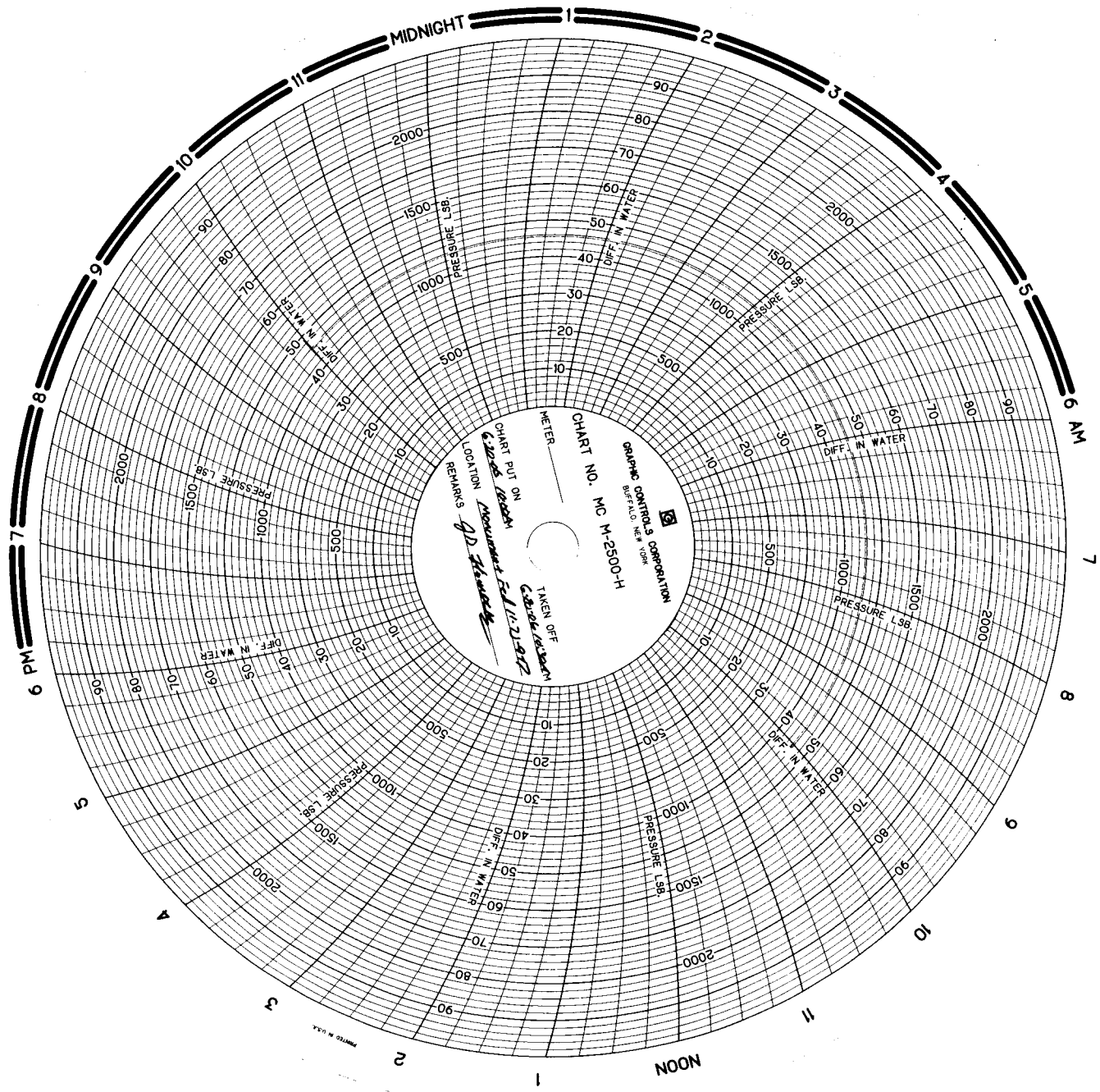
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>2000</u> psig	psig	psig
End of test pressure	<u>2000</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1140</u> psig	psig	psig
5 minutes	<u>1140</u> psig	psig	psig
10 minutes	<u>1140</u> psig	psig	psig
15 minutes	<u>1140</u> psig	psig	psig
20 minutes	<u>1140</u> psig	psig	psig
25 minutes	<u>1140</u> psig	psig	psig
30 minutes	<u>1140</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test ? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: MON 11-7J-9-17
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 681 FNL 447 FWL		9. API NUMBER: 4301331492
OTR/OTR SECTION TOWNSHIP RANGE MERIDIAN: NWNW, 7, T9S, R17E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: -
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 09/26/2006			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was recompleted in the Green River Formation on 9/26/06. The packer is now set at 4018'.

On 10/4/06 Nathan Wiser with the EPA was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 10/10/06. On 10/10/06 the csg was pressured up to 1100 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1000 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20642-04281 API# 43-013-31492

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

NAME (PLEASE PRINT) Callie Duncan TITLE Production Clerk  
SIGNATURE *Callie Duncan* DATE 10/24/2006

(This space for State use only)

RECEIVED

OCT 25 2006

DIV. OF OIL, GAS & MINING



# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 10/10/06  
Test conducted by: T. J. Raza  
Others present: \_\_\_\_\_

Well Name: <u>MONUMENT Fed. 11-75-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>MONUMENT BUTTE</u>		
Location: <u>NW/NE</u> Sec: <u>7</u> T <u>9</u> N <u>10</u> R <u>17E</u> W	County: <u>Duchesne</u> State: <u>UT</u>	
Operator: <u>Newfield</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☐ Yes ☒ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☒ Yes ☐ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

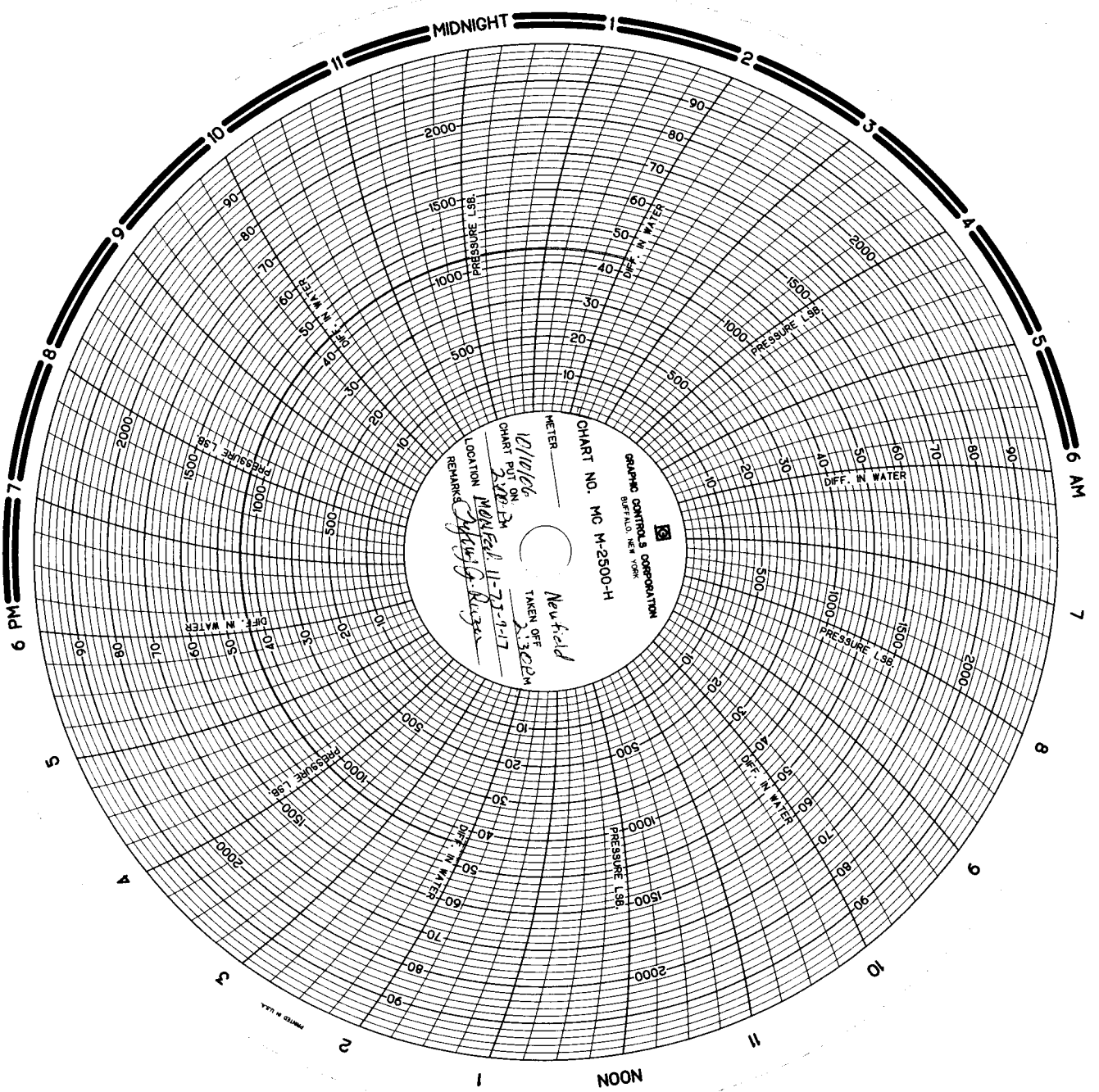
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1000</u> psig	psig	psig
End of test pressure	<u>1000</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1100</u> psig	psig	psig
5 minutes	<u>1100</u> psig	psig	psig
10 minutes	<u>1100</u> psig	psig	psig
15 minutes	<u>1100</u> psig	psig	psig
20 minutes	<u>1100</u> psig	psig	psig
25 minutes	<u>1100</u> psig	psig	psig
30 minutes	<u>1100</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER \_\_\_\_\_

LOCATION *Neufeld*

CHART PUT ON *11/10/66*

REMARKS *2300 H*

TAKEN OFF *11-23-77*

BY *W. G. K. R. J.*

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-44426
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 681 FNL 447 FWL		8. WELL NAME and NUMBER: MON FED 11-7J
OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW, 7, T9S, R17E		9. API NUMBER: 4301331492
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 05/16/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

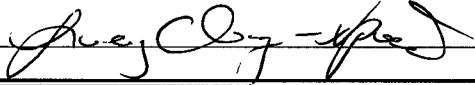
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 05/02/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 05/16/2011 the casing was pressured up to 1270 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1804 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20642-04281 API# 43-013-31492

Accepted by the  
Utah Division of  
Oil, Gas and Mining

**FOR RECORD ONLY**

NAME (PLEASE PRINT) <u>Lucy Chavez-Naupoto</u>	TITLE <u>Water Services Technician</u>
SIGNATURE 	DATE <u>05/19/2011</u>

(This space for State use only)

**RECEIVED**

**MAY 25 2011**

DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 5 / 16 / 2011  
Test conducted by: Wade Davis  
Others present: James Bird, Alfredo Rios

Well Name: <u>Mount Federal</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Mount Butte</u>		
Location: <u>11-3-9-17</u>	Sec: <u>7</u> T <u>9</u> N/S R _____	E/W County: <u>Duchesne</u> State: <u>Ut.</u>
Operator: <u>Newfield</u>		
Last MIT: _____ / _____ / _____	Maximum Allowable Pressure: <u>2025</u> PSIG	

Is this a regularly scheduled test? ☒ Yes ☐ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 5 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE</b>		
Initial Pressure	<u>1804</u> psig	psig	psig
End of test pressure	<u>1804</u> psig	psig	psig
<b>CASING / TUBING</b>	<b>ANNULUS PRESSURE</b>		
0 minutes	<u>1270</u> psig	psig	psig
5 minutes	<u>1270</u> psig	psig	psig
10 minutes	<u>1270</u> psig	psig	psig
15 minutes	<u>1270</u> psig	psig	psig
20 minutes	<u>1270</u> psig	psig	psig
25 minutes	<u>1270</u> psig	psig	psig
30 minutes	<u>1270</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: Wade Davis

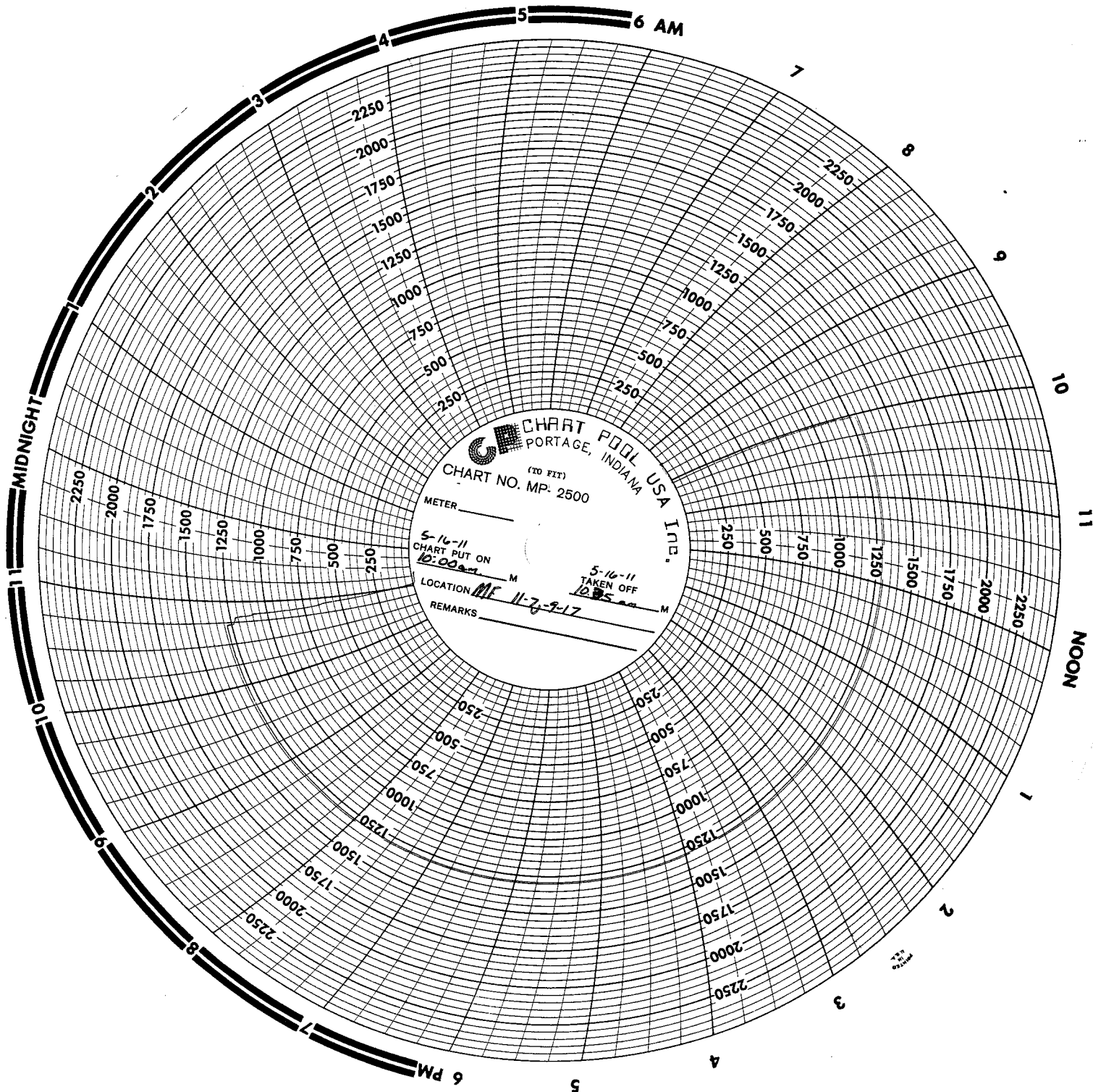


CHART POOL USA INC.  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500

METER \_\_\_\_\_

5-16-11  
CHART PUT ON  
10:00 am

LOCATION MF 11-7-9-17

REMARKS \_\_\_\_\_

5-16-11  
TAKEN OFF  
10:05 am

Elev. - 5345' GL  
Elev. - 5355' KB

## Monument Federal 11-7J-9-17

### INJECTION DIAGRAM Wellbore Diagram

#### SURFACE CASING

SIZE: 8-5 8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 265' (6 jts)  
DEPTH LANDED: 275' KB  
HOLE SIZE: 12-1 4"  
CEMENT DATA: 160 sxs class "G" + 2% CCl + 1 4# sk celloflake

#### PRODUCTION CASING

SIZE: 5-1 2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5660.72 (143 jts)  
DEPTH LANDED: 5671' KB  
HOLE SIZE: 7-7 8"  
CEMENT DATA: 383 sxs super class "G" + (47#G + 20#Poz A + 17# CSE) sk + 3% salt + 2% gel + 1 4# sk celloseal, tail w/ 232 sk 50-50 POZ + 2% gel + 1 4# sk celloseal + 2 # sk HiSeal 2  
CEMENT TOP AT: 110' KB from CBL.

#### TUBING RECORD

128 jts 2 7 8", J-55, 6.5# Tbg (4007.57')  
2 7 8" Seating Nipple 1.10' (4008.67')  
2 3 8" x 2 7 8" Cross Over 0.75'  
Arrow Set-1 Packer 6.20'  
Packer Landed: 4012.44'  
Total String Length: 4016.74'

MIT on 2-23-96, witness by Dennis Ingram (Utah OG&M).  
MIT on 6-27-01, Dennis Ingram (Utah OG&M) & Al Carver (EPA) gave approval to conduct MIT without a witness.  
6-22-06 5 Year MIT completed and submitted.  
9-26-06 Re-completion (no new perms.)

Logs: Dual Laterolog, Compensated Neutron Litho-Density,  
Cement Bond Log.



Balcon Monument Federal 11-7J-9-17  
681 FNL 447 FWL  
NWNW Section 7-T9S-R17E  
Duchesne Co, Utah  
API #43-013-31492; Lease #ML-44426

#### ACID JOB BREAKDOWN JOB FRAC JOB

6-8-95	5075'-5114': 2982 gals 2% KCl wtr w/ 100 balls, ATR 4.0 bpm, ATP 2600 psig, ISIP 1850 psig.
6-12-95	4784'-4796': 2058 gals 2% KCl wtr w/ 2 balls bbl, ATR 4.5 bpm, ATP 2200 psig, ISIP 1350 psig.
6-12-95	4926'-4928': 1596 gals 2% KCl wtr w/ 2 balls bbl, ATR 3.1 bpm, ATP 4000 psig, ISIP 1950 psig.
6-8-95	5075'-5114': 12,684 gals 2% KCl wtr w/ 27,660 lbs 16-30 mesh sand, ATR 34.5 bpm, ATP 2400 psig, ISIP 2300 psig, 15 min 2060 psig.
6-12-95	4784'-4928': 15,162 gals 2% KCl wtr w/ 22,200 lbs 16-30 mesh sand, ATR 35.1 bpm, ATP 3400 psig, ISIP 2150 psig, 15 min 1660 psig.

#### PERFORATION RECORD

6-12-95	4784'-87'	2 SPF (.38")	3 ft	6 holes
	4790'-96'	2 SPF (.38")	6 ft	12 holes
	4926'-28'	2 SPF (.38")	2 ft	4 holes
6-8-95	5075'-79'	4 SPF (.38")	4 ft	16 holes
	5089'-94'	4 SPF (.38")	5 ft	20 holes
	5112'-14'	4 SPF (.38")	2 ft	8 holes
6-23-01	4086'-4101'	4 SPF	15 ft	60 holes

Packer at 4012'  
EOT at 4017'

4086'-4101'

4784'-87'

4790'-96'

4926'-28'

5075'-79'

5089'-94'

5112'-14'

PBTD @ 5734' KB  
TD @ 5800' KB

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-44426
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON FED 11-7J
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0681 FNL 0447 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 07 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013314920000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/13/2016	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 04/13/2016 the casing was pressured up to 1163 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1532 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04281		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> April 18, 2016		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/18/2016	

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 4/13/16Test conducted by: PETE MONTAGUE

Others present: \_\_\_\_\_

Well Name: <u>BALCON MONUMENT FEDERAL</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>GREATER MONUMENT BUTTE</u>		
Location: <u>11</u>	Sec: <u>7 J T 9 N (S) R 17 (E) W</u>	County: <u>DUCHESSNE</u> State: <u>WY</u>
Operator: <u>NEWFIELD EXP</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u>1759</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No  
 Initial test for permit? ☐ Yes ☒ No  
 Test after well rework? ☐ Yes ☒ No  
 Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 / 1163 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE</b>		
Initial Pressure	<u>1532</u> psig	<u>1532</u> psig	<u>1532</u> psig
End of test pressure	<u>1532</u> psig	<u>1532</u> psig	<u>1532</u> psig
<b>CASING / TUBING</b>	<b>ANNULUS PRESSURE</b>		
0 minutes	<u>1163</u> psig	<u>1163</u> psig	<u>1163</u> psig
5 minutes	<u>1163</u> psig	<u>1163</u> psig	<u>1163</u> psig
10 minutes	<u>1163</u> psig	<u>1163</u> psig	<u>1163</u> psig
15 minutes	<u>1164</u> psig	<u>1163</u> psig	<u>1163</u> psig
20 minutes	<u>1163</u> psig	<u>1163</u> psig	<u>1163</u> psig
25 minutes	<u>1163</u> psig	<u>1163</u> psig	<u>1163</u> psig
30 minutes	<u>1163</u> psig	<u>1163</u> psig	<u>1163</u> psig
_____ minutes	_____ psig	_____ psig	_____ psig
_____ minutes	_____ psig	_____ psig	_____ psig
<b>RESULT</b>	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



Balcron Monument Federal 11-7J-9-17, 5-Year MIT, (4-13-16).

4/13/2016 9:16:04 AM

